

User's Manual

CL Series

Price Computing Electronic Printing Scale



Table of Contents

1. GENERAL	10
1.1 Precautions.....	10
1.2 Introductions	12
1.3 Specifications.....	13
1.4 Name and Functions.....	15
1.5 Basic Set - Up.....	20
1.6 Symbols	21
1.7 Key Functions	22
1.8 Installation of the Label Roll	25
2. PROGRAMMING	27
2.1 PLU Programming	31
2.1.1 Create By-Weight PLU (Menu code 1120).....	33
2.1.2 Create Non-Weight PLU (Menu code 1120).....	40
2.1.3 Create By-Count PLU (Menu code 1120)	42
2.1.4 Editing PLU (Menu code 1120)	43
2.1.5 Sample Printing (Menu code 1170).....	43
2.1.6 Listing PLU (Menu code 1150).....	43
2.1.7 Copying PLU (Menu code 1141).....	44
2.1.8 Deleting PLU (Menu code 1142)	44
2.1.9 Moving PLU (Menu code 1143)	45
2.1.10 Selecting PLU field Items (Menu code 1144)	45
2.1.11 PLU Sale Count (Menu code 1145).....	46
2.2. Programming PLU Data Table I.....	47
2.2.1 Department (Menu code 1210)	47
2.2.2 New/Edit Department (Menu code 1211).....	48
2.2.3 List Department (Menu code 1212).....	48
2.2.4 Delete Department (Menu code 1213).....	49
2.2.5 Group (Menu code 1220).....	49
2.2.6 New/Edit Group (Menu code 1221)	49
2.2.7 List Group (Menu code 1222)	50
2.2.8 Delete Group (Menu code 1223).....	50
2.2.9 Tax Rate (Menu code 1230)	50
2.2.10 New/Edit Tax Rate (Menu code 1231)	51
2.2.11 List Tax Rate (Menu code 1232).....	52
2.2.12 Delete Tax Rate (Menu code 1233)	52
2.2.13 Sales Message (Menu code 1240)	52

2.2.14 New/Edit Sales Message (Menu code 1241).....	53
2.2.15 List Sales Message (Menu code 1242).....	53
2.2.16 Delete Sales Message (Menu code 1243).....	54
2.2.17 Origin (Menu code 1250).....	54
2.2.18 New/Edit Origin (Menu code 1251).....	54
2.2.19 List Origin (Menu code 1252).....	55
2.2.20 Delete Origin (Menu code 1253).....	55
2.2.21 Barcode (Menu code 1260).....	55
2.2.22 New/Edit Barcode (Menu code 1261).....	55
2.2.23 List Barcode (Menu code 1262).....	58
2.2.24 Delete Barcode (Menu code 1263).....	58
2.2.25 Tare (Menu code 1270).....	59
2.2.26 New/Edit Tare (Menu code 1271).....	59
2.2.27 List Tare (Menu code 1272).....	61
2.2.28 Delete Tare (Menu code 1273).....	61
2.2.29 Tare Key (Menu code 1274).....	62
2.2.30 Unit Symbol (Menu code 1280).....	62
2.2.31 New/Edit Unit Symbol (Menu code 1281).....	62
2.2.32 List Unit Symbol (Menu code 1282).....	63
2.2.33 Delete Unit Symbol (Menu code 1283).....	63
2.3 Programming PLU Data Table II.....	64
2.3.1 Ingredient (Menu code 1310).....	64
2.3.2 New/Edit Ingredient (Menu code 1311).....	64
2.3.3 List Ingredient (Menu code 1312).....	65
2.3.4 Delete Ingredient (Menu code 1313).....	65
2.3.5 Nutrition Facts (Menu code 1320).....	65
2.3.6 New/Edit Nutrition Facts (Menu code 1321).....	65
2.3.7 List Nutrition Facts (Menu code 1322).....	70
2.1.8 Deleting PLU (Menu code 1142).....	70
2.4 Discount Programming.....	71
2.4.1 Discount (Menu code 1130).....	71
2.4.2 New/Edit Discount (Menu code 1131).....	71
2.4.3 List Discount (Menu code 1132).....	74
2.4.4 Delete Discount (Menu code 1133).....	75
2.4.5 Delete by PLU No. (DC) (Menu code 1137).....	75
2.4.6 Delete by Dept. No. (DC) (Menu code 1138).....	75

2.4.7 Delete ALL (DC) (Menu code 1139).....	76
2.5 Global Discount Programming	77
2.5.1 Global Discount (Menu code 1530).....	77
2.5.2 Priority Setting (Menu code 1531).....	77
2.5.3 Weight/Count/PCS Discount (Menu code 1532/1533/1534)	78
2.6 Speed Key Setting.....	79
2.6.1 Speed Key Setting (Menu code 1160).....	79
2.7 Traceability	80
2.7.1 Traceability (Menu code 1330).....	80
2.7.2 New/Edit Traceability (Menu code 1331).....	80
2.7.3 List Traceability (Menu code 1332).....	82
2.7.4 Delete Traceability (Menu code 1333).....	82
2.8 Country Programming	83
2.8.1 Country (Menu code 1340).....	83
2.8.2 New/Edit Country (Menu code 1341)	83
2.8.3 List Country (Menu code 1342)	84
2.8.4 Delete Country (Menu code 1343)	84
2.9 Programming Slaughter House.....	85
2.9.1 Slaughter House (Menu code 1350)	85
2.9.2 New/Edit Slaughter House (Menu code 1351).....	85
2.9.3 List Slaughter House (Menu code 1352).....	86
2.9.4 Delete Slaughter House (Menu code 1353)	86
2.10 Programming Cutting Hall	87
2.10.1 Cutting Hall (Menu code 1360).....	87
2.10.2 New/Edit Cutting Hall (Menu code 1361)	87
2.10.3 List Cutting Hall (Menu code 1362)	88
2.10.4 Delete Cutting Hall (Menu code 1363).....	88
2.11 Programming Store Data	89
2.11.1 Store Data (Menu code 1410).....	89
2.11.2 New/Edit Store (Menu code 1411)	89
2.11.3 List Store (Menu code 1412)	90
2.11.4 Delete Store (Menu code 1413)	90
2.11.5 Customer (Menu code 1420).....	91
2.11.6 New/Edit Customer (Menu code 1421)	91
2.11.7 List Customer (Menu code 1422)	92
2.11.8 Delete Customer (Menu code 1423).....	92
2.11.9 Scroll Message (Menu code 1430)	93

2.11.10. Configuration (Menu Code 1431)	93
2.11.11. Edit Scroll Message (Menu Code 1432)	93
2.11.12. List Scroll Message (Menu Code 1433)	95
2.11.13. Currency (Menu code 1440)	95
2.11.14. New/Edit Currency (Menu Code 1441)	96
2.11.15. List Currency (Menu Code 1442)	97
2.11.16. Delete Currency (Menu code 1443)	98
2.12 Programming Global Setting	99
2.12.1 Global Label Format (Menu code 1510)	99
2.12.2 Barcode Format (Menu code 1520)	101
2.13 Printing Programming	103
2.13.1 Printing (Menu code 1700)	103
2.13.2 Print label item (Menu code 1710)	103
2.13.3 Markdown (Menu code 1720)	105
2.13.4 Printer Hardware (Menu code 1730)	105
2.13.5 Print Mode (Menu code 1731)	107
2.13.6 Label Size/Ticket Size (Menu code 1732)	107
2.13.7 Sensor Calibration (Menu code 1733)	108
2.13.8 Sensor & Motor (Menu code 1734)	109
2.13.9 Print Intensity (Menu code 1735)	109
2.13.10 Adjust Feed Length (Menu code 1736)	109
2.13.11 Label Preprint (Menu code 1737)	110
2.13.12 Serial Number Format (Menu code 1740)	110
2.13.13 Add-Up Total (Menu code 1750)	111
2.13.14 Ticket (Menu code 1760)	112
2.13.15 Select Ticket Item (Menu code 1761)	112
2.13.16 Select List Item (Menu code 1762)	113
2.14 Programming Scale Configuration	115
2.14.1. Scale Configuration (Menu code 1800)	115
2.14.2 Sale Mode (Menu code 1810)	115
2.14.3 Operation Mode (Menu code 1820)	116
2.14.4 Department (Menu code 1830)	117
2.14.5 Date & Time (Menu code 1840)	118
2.14.6 User/ Security Configuration (Menu code 1850)	119
2.14.7 New/Edit User(Menu code 1851)	119
2.14.8 Change Password (Menu code 1852)	120

2.14.9 List User (Menu code 1853).....	121
2.14.10 Delete User (Menu code 1854).....	121
2.14.11 Config Permission (Menu code 1855)	121
2.14.12 Clerk Key (Menu code 1856).....	124
2.14.13 Test (Menu code 1860).....	124
2.14.14 Display Test (Menu code 1861).....	125
2.14.15 A/D Test (Menu code 1862).....	125
2.14.16 Keyboard Test (Menu code 1863)	125
2.14.17 Chess Printer Test (Menu code 1864)	125
2.14.18 Printer Sensor Test (Menu code 1865)	126
2.14.19 Memory Information (Menu code 1866).....	126
2.14.20 Firmware Version (Menu code 1867)	126
2.14.21 Communication (Menu code 1868).....	127
2.14.22 Scale Parameter (Menu code 1870).....	127
2.14.23 Function Key Define (Menu code 1880)	129
2.15 Report.....	131
2.15.1 Introduction	131
2.15.2 Report Menu (Menu code 1600)	131
2.15.3 X1/X2 Report (Menu code 1610/1630).....	132
2.15.4 X1/X2 Scale Sales Report (Menu code 1611/1613)	132
2.15.5 X1/X2 PLU Report (Menu code 1612/1632).....	134
2.15.6 X1/X2 Miscellaneous PLU Report (Menu code 1613/1633).....	136
2.15.7 X1/X2 Group Report (Menu code 1614/1644)	138
2.15.8 X1/X2 Department Sales Report (Menu code 1615/1635).....	139
2.15.9 X1/X2 Hourly Sales Report (Menu code 1616/1636)	141
2.15.10 X1/X2 Clerk Sales Report (Menu code 1617/1637).....	143
2.15.11 Z1/Z2 Report (Menu code 1620/1640).....	146
2.15.12 Clear All Report (Menu code 1650).....	147
3. SALES OPERATION	148
3.1 Basic Operation.....	148
3.2 Zero.....	148
3.3 Tare	149
3.3.1 Manual Tare Entry 1	149
3.3.2 Weighed Tare Entry	149
3.3.3 How to Clear Tare.....	150
3.3.4 Preset Tare	150

3.3.5 Successive Tare	150
3.3.6 Tare Override	151
3.4 Calling Up a PLU	152
3.4.1 Using Numeric Key	152
3.4.2 Using Speed Key	152
3.5 Override (FOR key)	153
3.5.1 By-Weight PLU	153
3.5.2 Non-Weight PLU	154
3.5.3 By-Count PLU	155
3.6 Sales Operation	156
3.6.1 Weighed Item Operation	156
3.6.2 Non-Weight Item	157
3.6.3 By Count Item	158
3.7 Discount	159
3.7.1 Unit Price Discount - By Weight PLU	159
3.7.2 % Unit Price Discount - By Weight PLU	160
3.7.3 Unit Price Discount - By Count PLU	162
3.8 Add-Up Transaction	163
3.9 Clerk Operation	165
3.9.1 Standard Clerk Operation	166
3.9.2 Floating Clerk Operations	167
3.10 Void	169
3.11 Payment & Change	170
3.12 Return	172
3.13 Prepack Key	173
3.14 X Key	175
3.14.1 By-Weight PLU	175
3.14.2 Non-Weight / By-Count PLU	176
3.15 How to Change Sell By Date/Time	177
3.16 How to Change Origin	178
3.17 How to Change PLU Type	179
3.18 Direct Discount	180
3.18.1 Fixed Price Key	180
3.18.2 % Discount Price Key	181

3.19 PLU Connection	182
3.19.1 Referenced PLU Function.....	182
3.19.2 Coupled PLU Function	182
3.20 Sales Operation Control Parameters.....	182
3.20.1 Fixed Weight	182
3.20.2 Prepack Without Report	182
4. Appendix	183
4.1 Label Format	183
4.2 Fixed Label Format Sample	188
4.3 Label Field	189
4.3.1 Item Label Field.....	189
4.3.2 Total Label Field.....	195
4.4 ASCII Code Table.....	197
4.5. Window Character Set Information.....	198

GENERAL

1.1 PRECAUTIONS

Warning

Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

Do not disassemble the scale.

When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.



Do not overload beyond the maximum weight limit.



Scale must be grounded to minimize static electricity.

This will minimize defects or electric shock.

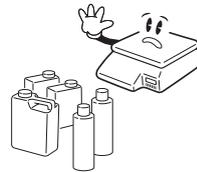


Do not pull the plug by its cord when unplugging.

Damaged cord could cause electric shock or fire.



To prevent fire from occurring, do not place or use the scale near flammable or corrosive gases.



To reduce the chance for electric shock or incorrect operation, do not spill water on the scale or place it in a humid environment.



Avoid placing the scale near heat sources or in direct sunlight.



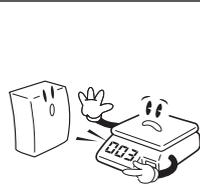
Insert plug firmly into wall outlet to prevent electric shock.



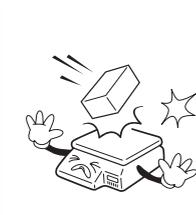
Attention

Make sure to plug your scale into the proper rated power outlet. For maximum performance, plug into a power outlet 30 minutes prior to usage to allow the scale to warm up.

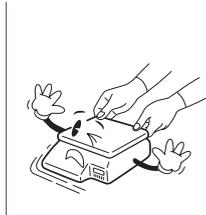
For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.



Avoid sudden shock to the scale.



Grab on the bottom of the scale when moving.



Keep the scale away from other electromagnetic generating devices.

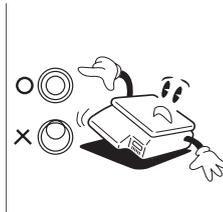
This may interfere with accurate reading.



Place the scale on a stable and temperature consistent environment.



By using the 4 adjustable legs of the scale, make sure the scale is level.



•CE Mark Warning

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

1.2 INTRODUCTIONS

Thank you for purchasing the CAS CL5000 price computing electronic printing scale. We have designed this equipment with many advanced features, high quality construction, and user-friendly menu driven programming.

We are confident that you will find the CAS CL5000 scale will meet all of your most demanding needs.

Remember, for proper installation and maintenance please have your Authorized CAS Dealer do the primary installation, programming, and demonstration. Your CAS Authorized Dealer also has a wide variety of supplies, accessories, and expansion options for whatever your new and increasing demands may require. Authorized CAS dealers are trained to help you with every aspect of the CL5000 and should you need servicing, they are expertly trained by CAS to assist you with virtually any problem.

1.3 SPECIFICATIONS

Max. Capacity	6/15kg	15/30kg	15/30 lb	30/60 lb
Interval	2/5g	5/10g	0.005/0.01 lb	0.01/0.02 lb
Max. Tare	-5.998kg	-9.995kg	-9.995 lb	-29.99lb
A/D Conversion Rate	Approx. 8 times/sec.			
Measurement Type	Load Cell			
Platter Size	382 x 246 mm (15.04 x 9.68 inch)			

Key	Standard Type (B)	48 PLU key, 36 function key	Pole Type (P, R) Hanging Type (H)	72 PLU key, 36 function key
Speed Key		96 PLU		144 PLU
Display	24 digit VFD + Graphic LCD			
	Tare : 4 digit Weight : 5 digit Unit Price : 6 digit Total Price : 6 digit		Weight : 5 digit Unit Price : 6 digit Total Price : 7 digit	

Printer	Speed 100 mm/sec.
Printing Resolution	202 dpi
Label Size	Width: 40mm~60 mm Length: 30mm~120 mm
Barcode Type	UPC, EAN13, EAN13A5, EAN8, I2OF5, CODE128, CODE39, CODE93, CODABAR, MSI/PLESSEY, IATA2OF5
Font	Small, Middle, Large Size, Free Format, Italic, Bold, Underline, Through Line, Double through line, Reverse, shadow, outline
Printer Type	DIRECT THERMAL PRINT

Operating Temp.	-10°C ~ 40°C (14°F ~ 104°F)
Power	AC 100~240V 50/60Hz 1.5A

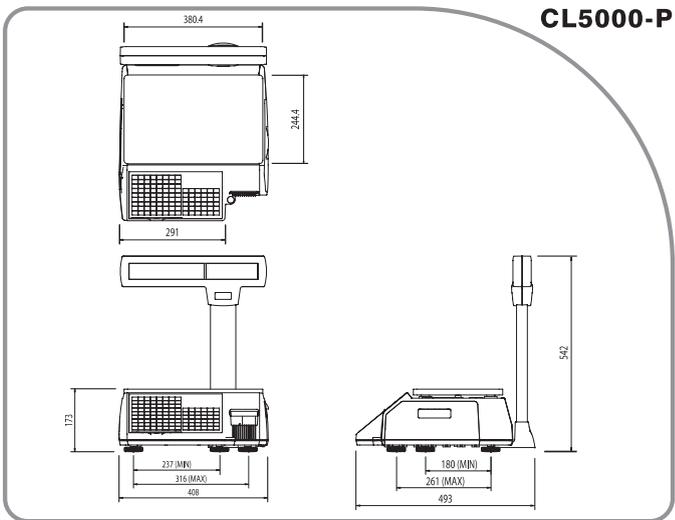
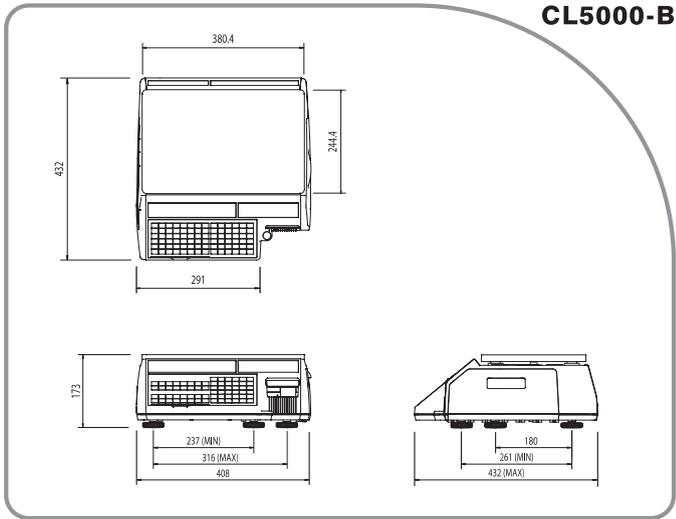
		Number	Range
Programmable Data	PLU	3000	1~99999
	Ingredient 510 character	999	1~999
	User Defined Barcode Format	99	1~99
	Department	99	1~99
	Tax Type	9	1~9
	Group	99	1~99
	Clerk	95	1~95
	Discount	99	1~99
	Origin	500	1~500
	Traceability	999	1~999
	Slaughter House	999	1~999
	Cutting Hall	999	1~999
	Traceability Country	999	1~999
	Label Format	45	Fixed
		20	Free Format
	Bitmap Image	14	1~99
	Customer	89	1~89
	Quantity symbol	8	1~8
	Scroll Message	9	1~9
	X1,X2,Z1,Z2 Report		
Pay Type	7		
Sales Message	99	1~99	
Nutrifact	99	1~99	
Tare Table	99	1~99	

Sales Period	Dual totals for daily/monthly or user selectable reporting period.
Sales Report Mode	Read : X1/X2 Mode, Read & Reset: Z1/Z2 Mode

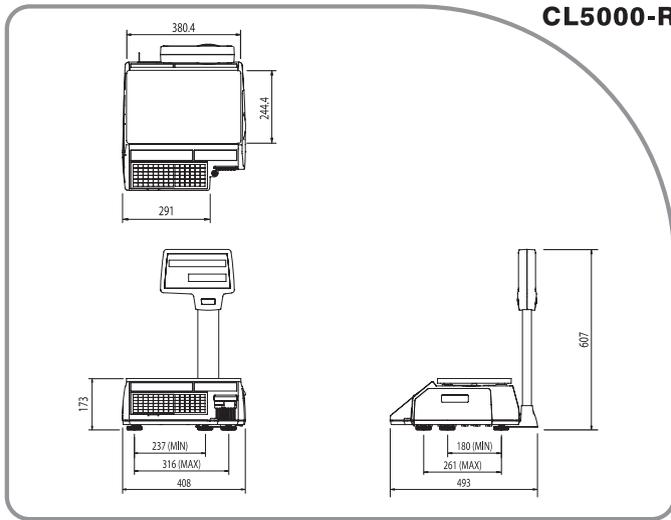
Note: Specifications are subject to change without notice.

1.4 NAME AND FUNCTIONS

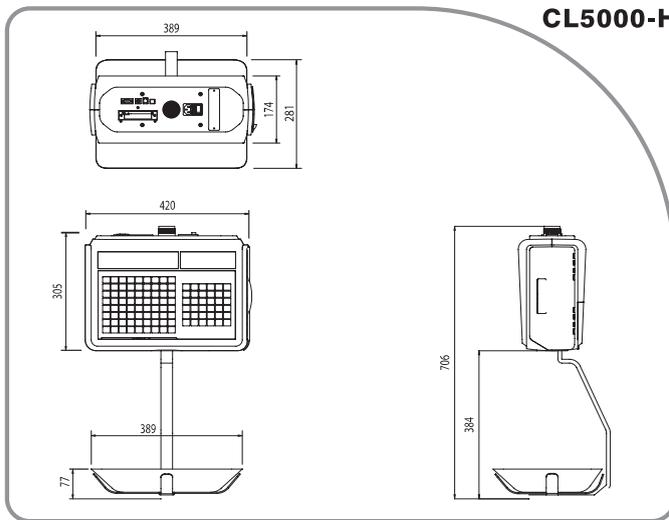
OVERALL VIEW



CL5000-R



CL5000-H

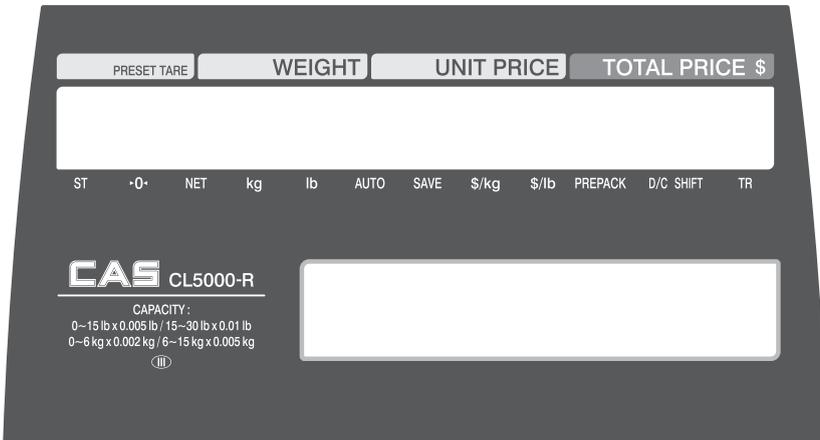


OVERALL VIEW

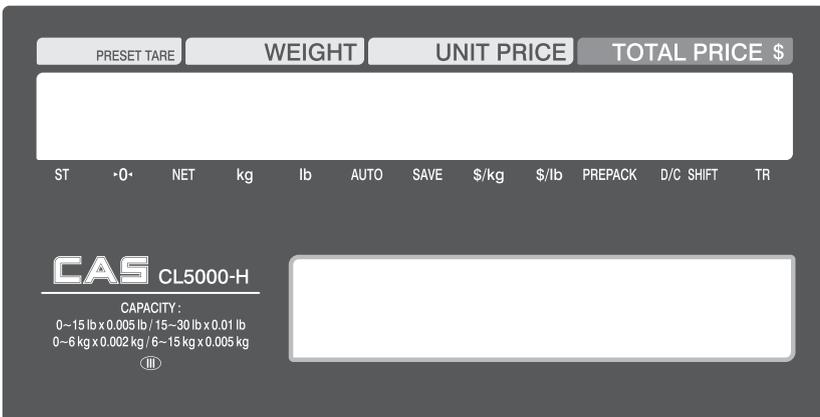
CL5000-B/P



CL5000-R



CL5000-H

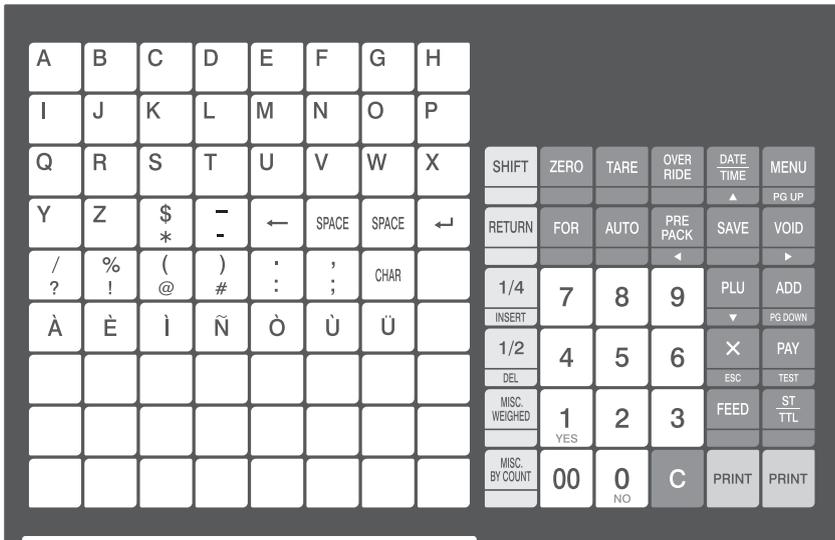


KEYBOARD

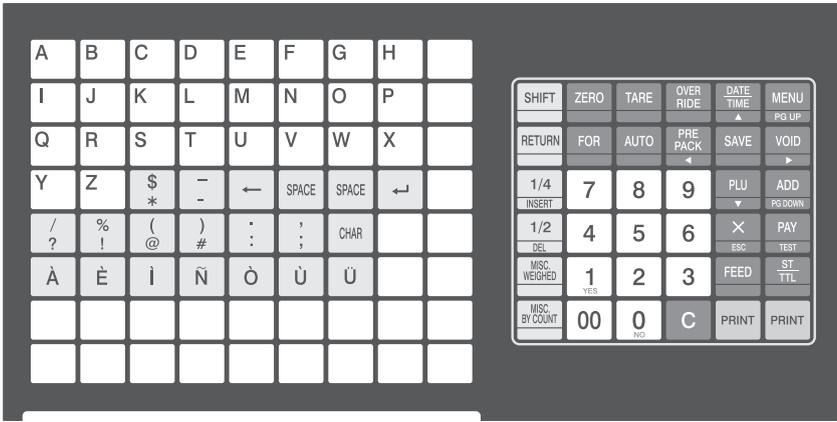
Standard



Pole type



H-Type (hanging type)

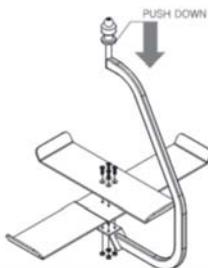


1.5 Basic set - up

How to install tray



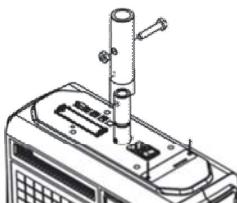
← B,P,R type



H - type tray

NOTE: Push down ball →
connection

H - type mounting
method(3 suggested)



1.6 SYMBOLS

SYMBOLS	DESCRIPTION
ST (▼)	Stable weight indicator
▶0◀	Zero weight indicator
NET (▼)	Net weight indicator
AUTO	Print Mode indicator
SAVE	Auto clearing status indicator
PREPACK	Auto clearing status indicator
DC (▼)	Discount status indicator
SHIFT (▼)	Speed key shift status indicator
TR	Data transmission status indicator

1.7 KEY FUNCTIONS

KEY	DESCRIPTION
	Numeric keys. Used to enter pricing, qty, count, tare, etc.
	Double zero key.
	Clear key. Used to clear erroneous entries and error conditions.
	Re-Zero key. Use to remove small variations in the scale's zero.
	Tare key. Use to manually enter and remove tare weights.
	Override key. For temporary price change entry.
	Date & Time key. Toggles the display between time, date, scale number and department number. Up arrow key: Used to go to previous line in program mode.
	MENU key. This key toggles from program menu to sale mode. Page up key: Used to go to previous page in program mode.
	For key. Use this key for by- count or by pcs pricing: 3 @ 3 FOR \$1.00. It toggles between the QTY, PIECE, and PRICE fields.
	AUTO key. Auto-print mode
	Pre-Pack key. Used to enter Pre-Packaging mode in which the scale Auto-prints for every transaction and prevents the auto clearing of data. Left arrow key: Used to go to left character in program mode.
	Save key. Save mode prevents the auto clearing of any called-up data like tare weight, PLU pricing, etc.
	Void key. To remove erroneous sales from ADD-Up Right arrow key: Used to go to right character in program mode.
	When you type a PLU number and press this key, it calls-up that PLU. Down arrow key: Used to go to next line in program mode.

KEY	DESCRIPTION
	<p>ADD-Up key. This key when used in conjunction with ST/TTL key allows you print a customer-total label as well as individual transaction labels. Page down key: Used to go to next page in program mode.</p>
	<p>Multi-Label key. Use this key to print multiple sales of the same transaction. Escape key. It is used to exit in program mode.</p>
	<p>Subtotal / Total key. Used with the ADD key in order to print customer totals.</p>
	<p>Feed key. Use this key to feed labels or paper through printer</p>
	<p>Pay key. Use this key to calculate change. Test key. Used to print test pattern</p>
	<p>Print key. Used to manually print transactions and also serves as an ENTER key in programming mode. There are 2 of them and they both act the same.</p>
	<p>Return key. Used to credit sales for erroneous transactions or returned items. Shift Key. Used to access the second level of Speed Keys in Sales Mode. Used to toggle between Upper Case and Lower Case Alpha Characters.</p>
	<p>Miscellaneous Weighed PLU key.</p>
	<p>Miscellaneous By-Count PLU key.</p>

KEY	DESCRIPTION
	Alpha keys. Used to type text data.
	Used to type \$
	Backspace key. Used to backspace and delete text data.
	Space bar.
	Used to go to next line to enter text
	Special symbol keys.
	Used to type special symbol. (See ASCII code table)

1.8 Installation of the Label Roll

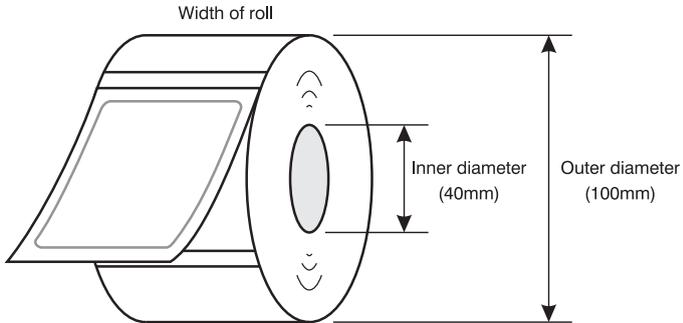
• Label Specifications

Outer diameter of roll : 100mm

Inner diameter of roll : 40mm

Width of receipt roll : 40, 50, 60mm

Width of label roll : 60mm(MAX)

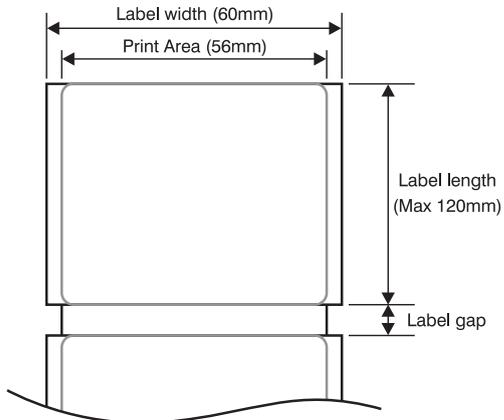


• Print Area

Width of label : 60mm(MAX)

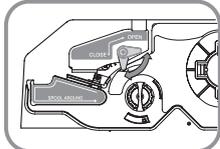
Printable width : 58mm(MAX)

Length of label : 120mm(MAX)

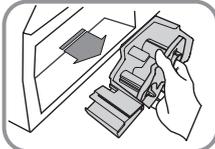


To install the label roll at ANY time you must follow the directions in this section:

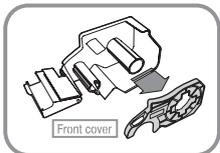
① Turn lever to open position.



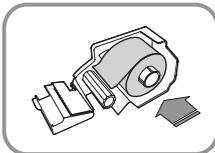
② Remove the cartridge.



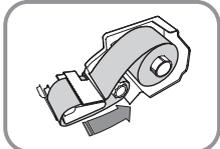
③ Remove the front cover.



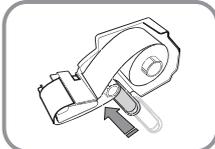
④ Insert the roll paper.



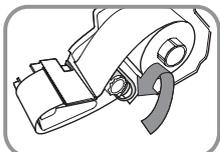
⑤ Spool the paper to unwinder.



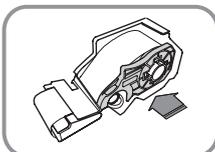
⑥ Push the clip until it clicks.



⑦ Turn the clip for several times.



⑧ Close the front cover.



⑨ Press the FEED key one or two times for Auto Label adjustment

*If label position is not correct, you have to check follows :

- a. Label size.(Label setting menu)
- b. Feed Adjustment .(Feed adjustment menu)
- c. Sensor calibration(Sensor Calibration menu)

2. PROGRAMMING

Program Mode Menu Tree (Menu code : 1000)

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu			
1100	PLU	1110	Change unit price					
		1120	New/Edit					
		1130	Discount	1131	New/Edit Discount			
				1132	List Discount			
				1133	Delete Discount	1137	Delete by PLU(DC)	
						1138	Delete by Dept(DC)	
		1139	Delete All(DC)					
		1140	Management	1141	Copy			
				1142	Delete	1147	Delete by PLU No	
						1148	Delete by Dept. No	
						1149	Delete All	
				1143	Move			
				1144	Select PLU Items			
		1145	PLU Sale Count					
1150	List							
1160	Speed Key							
1170	Sample Printing							
1200	PLU Data Table I	1210	Department					
		1220	Group					
		1230	Tax Rate					
		1240	Sales Message	1241	New/Edit Sales Message			
				1242	List Sales Message			
				1243	Delete Sales Message			
		1250	Origin	1251	New/Edit Origin			
				1252	List Origin			
				1253	Delete Origin			
		1260	Barcode	1261	New/Edit barcode			
				1262	List barcode			
				1263	Delete barcode			
		1270	Tare					
		1280	Unit Symbol	1281	New/Edit Uit Symbol			
1282	List Uit Symbol							
1283	Delete Uit Symbol							

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu		
1300	PLU Data Table II	1310	Ingredient	1311	New/Edit Ingredient		
				1312	List Ingredient		
				1313	Delete Ingredient		
		1320	Nutrition Facts				
		1330	Traceability				
		1340	Country				
		1350	Slaughter House				
		1360	Cutting Hall				
1400	Store Data Table	1410	Store	1411	New/Edit Store		
				1412	List Store		
				1413	Delete Store		
		1420	Customer				
		1430	Scroll Message	1431	Configuration		
				1432	Edit Scroll Message		
				1433	List Scroll Message		
1440	Currency						
1450	Job Batch Schedule						
1460	Scanner						
1470	Label Format Key Table						
1500	Global Setting	1510	Label Format				
		1520	Barcode				
		1530	Discount	1531	Priority Setting		
				1532	Weight Discount		
				1533	Count Discount		
				1534	PCS Discount		
		1540	Tax	1541	Set Global Tax		
		1542	Global Tax Number				
1600	Report	1610	X1 Report	1611	Scale		
				1612	PLU		
				1613	Misc. PLU		
				1614	Group		
				1615	Department		
				1616	Hourly		
				1617	Clerk		
		1620	Z1 Report				
		1630	X2 Report	1631	Scale		
				1632	PLU		
				1633	Misc. PLU		
				1634	Group		
				1635	Department		
1636	Hourly						
		1637	Clerk				

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu		
1600	Report	1640	Z2 Report				
		1650	Clear All				
1700	Print	1710	Print Label Item				
		1720	Markdown				
		1730	Print Hardware	1731	Print Mode		
				1732	Label/Ticket Size		
				1733	Sensor Calibration		
				1734	Sensor & Motor		
				1735	Print Intensity		
				1736	Adjust Feed Length		
		1737	Lable Preprint				
		1740	Serial Number Format				
		1750	Add-Up Total				
		1760	Ticket	1761	Select Ticket Item		
1762	Select List Item						
1763	Select Ticket Font Size						
1800	Scale Config	1810	Sale Mode				
		1820	Operation Mode				
		1830	Department & Store ID				
		1840	Date/Time				
		1850	User/ Security Configurati on	1851	New/Edit User		
				1852	Change Password		
				1853	List User		
				1854	Delete User		
				1855	Config Permission		
				1856	Clerk Key		
		1860	Test	1861	Display		
				1862	A/D		
				1863	Keyboard		
				1864	Chess Printer		
				1865	Printer Sensor		
				1866	Memory Information		
				1867	Firmware Version		
				1868	Communication		
		1870	Scale Parameter	1871	Display		
				1872	Printing		
1873	Sale setup						
1874	Clerk Logout						
1880	Function Key Define						

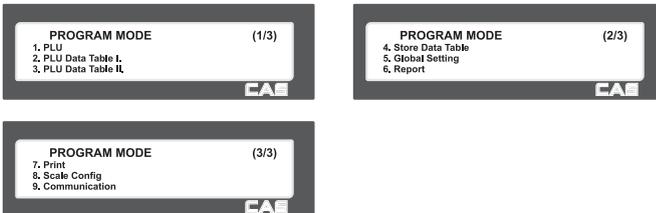
CODE	Menu	CODE	Sub Menu	CODE	Sub Menu
1900	Communication	1910	Network Setting	1911	Service Type
				1912	DHCP
				1913	IP
				1914	Remote IP
				1915	RS232C
				1916	WLAN Setting
				1917	WLAN Config
		1920	Application		
		1930	Scale Lock/Unlock		
		1940	Check Scale		
1950	Backup to Scale				

You can see the Program Menu screen by pressing the MENU key.

The 2 numbers at top right (1/3) indicate the number of pages or screens. The number to the left of the slash is the current page or screen number and the number to the right of the slash indicates the total number of pages or screens. You can use the PG UP and PG DOWN keys to navigate from page to page, or you can use the Arrow keys to go through each page.



If you press “PG DOWN” key, you can see other menu screens as below.



2.1 PLU Programming

You can set 47 items for a PLU as below table and if you do not want to use some items, you can prohibit those items in menu code:1144.

No	Item	Description
1	Department	Department No.
2	PLU No	PLU No.
3	PLU Type	Select PLU type among By Weight, Non Weight or By Count
4	Name	Enter name 1 of item. Maximum 40 characters.
5	Name 2	Enter name 2 of item. Maximum 40 characters.
6	Name 3	Enter name 3 of item. Maximum 40 characters.
7	Group No.	Select group number. This value can be from 0 to 99.
8	Label No.	(0~99) (0=Do not use Label No.), Label Formats "1~45". If Global Setting is YES, it is not shown.
9	Aux. Label No.	(0~99) (0=Do not use Label No.), Label Formats "1~45". This function prints aux. label as saved number of label number
10	Origin No.	(0~500) 0=Do not use origin.
11	*Unit Weight	Used for fractional weight pricing. i.e.,quarter and half pound keys
12	*Fixed Weight	The weight is fixed regardless of item
13	Prefix	Enter serial code for PLU (Greece version of CL5000 series)
14	Item code	Item code
15	Use Fixed Price Type	You can set whether Fixed Price type is used or not
16	☆Pieces	(0-999) Set the number for By-PCS PLU
17	☆Quantity Symbol ID	(0~8) Set symbol of PCS or Count
18	Fixed price	Price is fixed regardless of weight or pcs
19	(Unit) Price	This value can be from 0 to 999999.
20	Special Price	Special Sales Price by using Function key Setting. (Menu code 1880)
21	Tax No.	Enter tax number. This value can be from 0 to 9

No	Item	Description
22	*Tare / Tare No.	You can enter tare weight manually or enter No. of tare data. (By-weight PLU)
23	*% Tare	0~99.99 You can enter tare weight as percentage of item. If you set it to 20%, 20% of item is tare weight.
24	*Tare % Limit	0~99.99 You can enter tare limit. %tare < = % limit -> Gross weight is printed %tare > % limit -> Net weight is printed
25	Barcode No.	This value can be from 0 to 99, If Global Setting is YES, it is not shown.
26	Barcode2 No.	This value can be from 0 to 99
27	Picture No.	Image no
28	Produced Date	(0~999) This is subtracted to the current date in order to be calculated.
29	Packed Date	(0~999) This is added to the current date in order to be calculated.
30	Packed Time	(0~99) If you set it to 0, it is not printed
31	Sell-by Date	(0~9999) This is expirations date that is numbered in days and added to the Packed On date in order to be calculated. If you set it to 0, it is not printed
32	Sell-by Time	(0~99) If you set it to 0, it is not printed
33	Cook-by Date	(0~9999) This is expirations date that is numbered in days and added to the Packed On date in order to be calculated.
34	Ingredients No.	(0~999) Enter ingredient Message No. used
35	Traceability No.	(0~999) Enter traceability No.
36	Bonus	For future use.
37	Nutri. Fact No.	(0~500) Enter Nutrition fact ID No. used
38	Sales Msg No.	(0~99) Enter sales message No.
39	Reference PLU Dept.	(0~99) Enter reference department No.
40	Reference PLU No.	(0~999999) Enter reference PLU No.
41	Coupled PLU Dept.	(0~99) Enter coupled PLU department
42	Coupled PLU No.	(0~999999) Enter coupled PLU No.

No	Item	Description
43	# of Link PLU	(0~2) Enter the number of linked PLU.
44	Link PLU1 Dept.	(0~99) Enter PLU1 department No.
45	Link PLU1 No.	(0~999999) Enter PLU1 No.
46	Link PLU2 Dept.	(0~99) Enter PLU2 department No.
47	Link PLU2 No.	(0~999999) Enter PLU2 No.

* These items are shown on the display when you select By Weight PLU.

☆ These items are shown on the display when you select By Count or By PCS PLU.

2.1.1 Create By-Weight PLU (Menu code 1120)

(NEW/Edit PLU : MENU → 1. PLU → 2. New/Edit)

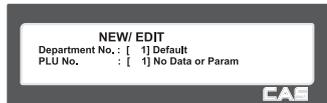
- ◆ You can press the SAVE key at anytime to save the current PLU data and if you want to exit without saving, press the ESC key.

Note: You may experience different item menus. You can modify menu items at menu (1144)

1. Create By-Weight PLU (Menu code 1120)

- Department should be set previously

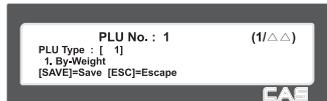
EX) Department No. = [1] Default
PLU No. : [1]



2. Select PLU Type

1. By Weight
2. Non Weight
3. By Count

EX) BY-Weight Item



By-Weight PLUs are priced as price-perweight; for example, \$3.99/lb or \$1.99/kg.

You must weigh these PLUs before you can execute a sales transaction.

(Selecting PLU Field Items may be changed on Menu 1144.

Also the number of screens will vary depending on the settings in Menu 1144.

This is represented by the two triangles.)

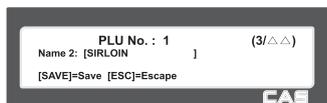
3. Enter PLU Name 1

EX) "BEEF"



4. Enter PLU Name 2

EX) "SIRLOIN"



5. Enter PLU Name 3

EX) "STEAK"



6. Select Group

- If there is no group for this PLU, enter 0.

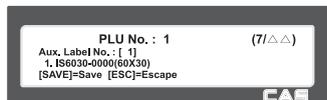
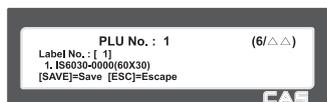
EX) 1. Meat



7. Select Label Format

- If you enter 0, standard label format (menu code 1510) is used.
- For details about Global Label Format, refer to Section 2.12.1(Menu Code 1510)

EX) 1. IS6030-0000(60x30)



8. Select Origin

- If you do not want to use origin, enter 0.

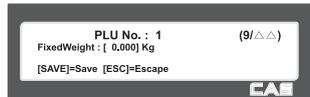
EX) 49. China



9. Enter Fixed Weight

- If there is no group for this PLU, enter 0.
- If there is no group for this PLU, enter 0

EX) Do not use Fixed Weight



10. Enter Prefix

- If you do not want to use, enter 0.

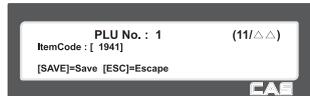
EX) Do not use Prefix



11. Item Code

- If there is no group for this PLU, enter 0

EX) Item Code = 1941



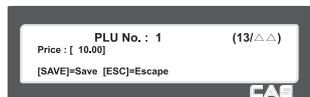
12. Use Fixed Price Type

- 0 : normal price
- 1 : fixed price



13. Price

EX) Price = \$10.00



14. Special Price

Note: Special price key must be defined first (Menu code 1880)

EX) Price = \$20.00



15. Tax No.

- May be changed using Menu Code 1231
If the Global Tax Settings (Menu Code 1541) is not used.
- If you do not want to use, enter 0 .

EX) Tax data 1



16. Tare

- Tare must be enabled in Selecting PLU Field Items (Menu Code 1144)

EX) Tare Value = 0.1 lb



17. %Tare

- You can enter the Tare Weight as a percentage of the item weight.

EX) If 10 is entered, then 10% of the item weight is considered to be a Tare Weight



18. Tare % limit

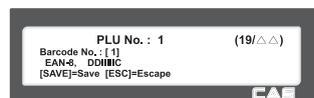
- You can enter Tare Limit of 0-99.99%.
If you do not want to use, enter 0 .



19. Barcode No.

- You can program the Barcode format using Menu code 1260. This information is not used if the Global Barcode Settings Menu Code 1520 is selected.

EX) Barcode Data Table 1



20. Produced Date

- Print Date minus the Input Value in Days.
See chart on next page.

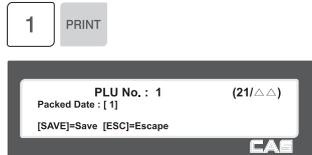
EX) 0 : No print
1 : Print Date – 1 day
2 : Print Date – 2 days



21. Packed Date

- Print Date plus Input Value in Days.
See chart on next page.

EX) 0 : Today
1 : Today + 1 day
2 : Today + 2 days



22. Packed Time

- Print Time plus Input Value in Hours.
See chart on next page.

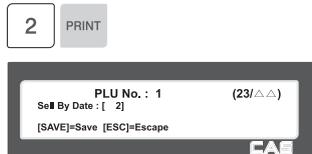
EX) 0 : Hour Printed
1 : Hour Printed + 1 Hour
2 : Hour Printed + 2 Hours



23. Sell By Date

- Packed Date plus Input Value in Days
minus 1Day. See Chart on next page.

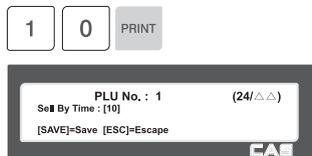
EX) 1 : Today
2 : Packed date + 1



24. Sell By Time

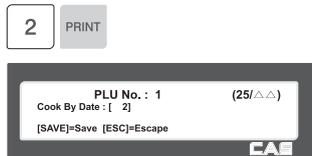
- Packed Time plus Input Value in Hours.
See Chart on next page.

EX) 0 : Current Time
1 : Packed Time + 1 Hour



25. Cook By Date

- This value can be from 0 to 9999.
- 0 : No print
1 : Packed date
2 : packed date + 1 day
EX) 2days after packed date.



PLU fill in Item	Description	Value				Calculation
		0	1	2	...	
Produced Date	Before Printing Date	No print	Yesterday	Before yesterday	...	Print Date - Input Value(Day)
Packed Date	After Printing Date	Today	Tomorrow	After tomorrow	...	Print Date + Input Value(Day)
Packed Time	After Printing Time	Current	After 1 HR	After 2HR	...	Print Time + Input Value(hour)
Sell by Date	After Packing Date	NO print	Today	Tomorrow	...	Packed Date + Input Value(Day) - 1
Sell by Time	After Packing Time	Current	After 1HR	After 2HR	...	Packed Time + Input Value(hour)
Cook by Date	After Packing Date	NO print	today	tomorrows	...	Packed Date + Input Value(Day) - 1

26. Ingredient No.

- If you do not want to use, enter 0

EX) Do not use ingredient

0

PRINT

PLU No. : 1 (26/△△)

Ingredient No. : [0]

[SAVE]=Save [ESC]=Escape

CAE

27. Traceability No.

- If you do not want to use, enter 0

1

PRINT

PLU No. : 1 (27/△△)

Traceability No. : [1]

[SAVE]=Save [ESC]=Escape

CAE

28. Bonus

- If you do not want to use, enter 5

EX) Barcode Data Table 1

5

PRINT

PLU No. : 1 (28/△△)

Bonus : [5]

[SAVE]=Save [ESC]=Escape

CAE

29. Nutrition. Fact No.

- If you do not want to use, enter 0

1

PRINT

PLU No. : 1 (29/△△)

Nutri.Fact No. : [1]

[SAVE]=Save [ESC]=Escape

CAE

30. Sales Message No.

- If you do not want to use, enter 0
Note: You can preset sales message at menu code (1241)

EX) Sales Message 1

1 PRINT

Terminal screen showing: PLU No. : 1 (30/△△)
Sales Msg No. : [0]
1. Thank You
[SAVE]=Save [ESC]=Escape

31. Reference PLU Department

- If you do not want to use, enter 0

EX) Do not use Reference PLU Department

0 PRINT

Terminal screen showing: PLU No. : 1 (31/△△)
Reference PLU Dept. : [0]
[SAVE]=Save [ESC]=Escape

32. Reference PLU No.

- If you do not want to use, enter 0

EX) Do not use reference PLU No.

0 PRINT

Terminal screen showing: PLU No. : 1 (32/△△)
Reference PLU No. : [0]
[SAVE]=Save [ESC]=Escape

33. Coupled PLU Department

- If you do not want to use, enter 0

EX) Do not use Coupled PLU Department

0 PRINT

Terminal screen showing: PLU No. : 1 (33/△△)
Coupled PLU Dept. : [0]
[SAVE]=Save [ESC]=Escape

34. Coupled PLU No.

- If you do not want to use, enter 0

EX) Do not use coupled PLU number

0 PRINT

Terminal screen showing: PLU No. : 1 (34/△△)
Coupled PLU No. : [0]
[SAVE]=Save [ESC]=Escape

35. # of Link PLU

- If you do not want to use, enter 0

EX) Sales Message 1

2 PRINT

Terminal screen showing: PLU No. : 1 (35/△△)
of Link PLU : [2]
[SAVE]=Save [ESC]=Escape

36. Link PLU1 Dept

- If you do not want to use, enter 0

EX) Do not use Link PLU1 Dept

0 PRINT

PLU No. : 1 (36/△△)
Link PLU1 Dept : [0]
[SAVE]=Save [ESC]=Escape

37. Link PLU1 No.

- If you do not want to use, enter 0

EX) Do not use Link PLU1 No

0 PRINT

PLU No. : 1 (37/△△)
Link PLU1 No. : [0]
[SAVE]=Save [ESC]=Escape

38. Link PLU2 Dept

- If you do not want to use, enter 0

EX) Do not use Link PLU2 Dept

0 PRINT

PLU No. : 1 (38/△△)
Link PLU2 Dept : [0]
[SAVE]=Save [ESC]=Escape

39. Link PLU2 No.

- If you do not want to use, enter 0

EX) Do not use Link PLU2 No

0 PRINT

PLU No. : 1 (39/△△)
Link PLU2 No. : [0]
[SAVE]=Save [ESC]=Escape

2.1.2 Create Non-Weight PLU (Menu code 1120)

(MENU → 1. PLU → 2. New/Edit)

※ Not all programmable PLU Items are shown in this example.

- ◆ You can press the SAVE key at anytime to save the current PLU data and if you want to exit without saving, press the ESC key.

1. Enter Department No. / PLU No.

- Department should be set previously
- EX) Department # = 1. Default
PLU # = 2

1 PRINT 2 PRINT

NEW / EDIT
Department No. : [1] Default
PLU No. : [2] No Data or Param

2. Select PLU Type

1. By Weight
2. Non Weight
3. By Count

EX) Non-Weight Item

2 PRINT

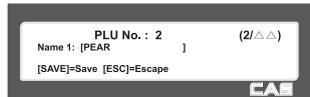


PLU No. : 2 (1/△△)
PLU Type : [2]
2. Non-Weight
[SAVE]=Save [ESC]=Escape

3. Enter PLU Name 1

EX) PEAR

P E A R PRINT

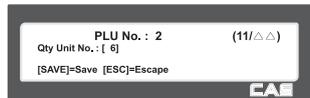


PLU No. : 2 (2/△△)
Name 1: [PEAR]
[SAVE]=Save [ESC]=Escape

4. Unit Symbol No.

EX) Qty Unit No. 6

6 PRINT



PLU No. : 2 (11/△△)
Qty Unit No. : [6]
[SAVE]=Save [ESC]=Escape

5. Price

EX) Price = \$10.00

1 0 0 0 PRINT



PLU No. : 2 (13/△△)
Price : [10.00]
[SAVE]=Save [ESC]=Escape

2.1.3 Create By-Count PLU (Menu code 1120)

(MENU → 1. PLU → 2. New/Edit)

※ Not all programmable PLU Items are shown in this example.
By-PCS PLU is used depending on the Parameter 593.

◆ You can press the SAVE key at anytime to save the current PLU data
and if you want to exit without saving, press the ESC key.

1. Enter Department No. / PLU No.

• Department should be set previously.

EX) Department # = 1. Default
PLU # = 3

1 PRINT 3 PRINT

NEW / EDIT
Department No. : [1] Default
PLU No. : [3] No Data or Param

2. Select PLU Type

1. By Weight
2. Non Weight
3. By Count

EX) By-Count Item

3 PRINT

PLU No. : 3 (1/△△)
PLU Type : [3]
3. By-PCS
[SAVE]=Save [ESC]=Escape

3. Enter PLU Name1

EX) CAKE

C A K E PRINT

PLU No. : 3 (2/△△)
Name 1: [CAKE]]
[SAVE]=Save [ESC]=Escape

4. Pieces

• If you enter 0 , it is regarded as 1.

EX) 10 piece

1 0 PRINT

PLU No. : 3 (11/△△)
Pieces : [10]
[SAVE]=Save [ESC]=Escape

5. Qty Descriptor No.

• This is the place where you select what
Descriptor will print on the label.
ex., PCS, QTY, EACH, etc.

EX) Qty Unit No. 6

6 PRINT

PLU No. : 3 (12/△△)
Qty Unit No. : [6]
[SAVE]=Save [ESC]=Escape

2.1.4 Editing PLU (Menu code 1120)

(MENU → 1. PLU → 2. New/Edit)

- ◆ You can call up existing PLU information for edit.

2.1.5 Sample Printing (Menu code 1170)

(MENU → 1. PLU → 7. Sample Printing)

- Used to enable printing a sample PLU label.

EX) If set to Yes, when editing an existing PLU or creating a new one, depressing the SAVE key will result in a label being printed with that PLU's information on it.

2.1.6 Listing PLU (Menu code 1150)

(MENU → 1. PLU → 5. List)

Note: Finding PLU; You need to know department # and PLU #.

1. Enter Department No.

- Enter department number that you wish to see

EX) Department No. 1

1 PRINT

Department No.: [1] List (1/2)

2. Enter PLU Range

EX) PLU 1~10

- Press Print Key to List PLU's on screen.
After PLU's are listed on the screen pressing the TEST key will print the PLU's.

Note: Printing should be done on continuous label stock.

1 PRINT 1 0 PRINT

Start PLU No.: [1] List (2/2)
End PLU No.: [10]
List All - press "SAVE" key

No. Reference(descript)
1 1 BEEF
2 2 CAKE
3 3 PEAR

2.1.7 Copying PLU (Menu code 1141)

(MENU → 1. PLU → 4. Management → 1. Copy)

- If there is a similar PLU, you can copy it.

1. Select Source

- Enter the Department No. and PLU No. that you wish to copy

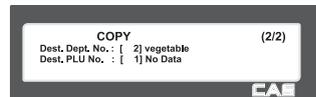
EX) Source Department # = 1
Source PLU # = 1

Note : If PLU number exists in destination department you will be asked to confirm the copy.



2. Select Destination

- Enter the Department number where the new PLU(s) will be located
- Enter the PLU number that you wish to copy the Source PLU into



2.1.8 Deleting PLU (Menu code 1142)

(MENU → 1. PLU → 4. Management → 3. Copy)

- There are three ways to delete a PLU. Simply enter the number of the method that you wish to use.

EX) Press the 1 key to select Delete by PLU No.



EX) Department No. : 1
PLU No. : 1



Note: There is no confirmation request for deletion. After entering the PLU number and pressing Print, the PLU will be deleted.

2.1.9 Moving PLU (Menu code 1143)

(MENU → 1. PLU → 4. Management → 3. Move)

- All the PLU information will move with comment (discount, Tax, barcode type, etc)

1. Select Source

- Enter the Department No. and PLU No. which you wish to move

EX) Source Department # = 1
Source PLU # = 1



2. Select Destination

- Enter the Department number where the PLU(s) will be located
- Enter the PLU number that you wish to move the Source PLU into

EX) Destination Department # = 2
Destination PLU # = 1



Note : If PLU number exists in destination department you will be asked to confirm the move

2.1.10 Selecting PLU field Items (Menu code 1144)

(MENU → 1. PLU → 4. Management → 4. Select PLU items

- If you enter N, you cannot use that item when you create PLU.

To enter Y, press Y key or 1 key.

To enter N, press N key or 0 key.



Note: You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

A list of all available PLU Field Items can be found at the beginning of Section 2.1.

2.1.11 PLU Sale Count (Menu code 1145)

(MENU → 1. PLU → 4. Management → 5. PLU Sale Count

You can count each PLU sale and also you can clear this count.

- The Sale Count function is used to keep track of the number of times a label has been issued for a particular PLU without having to use the Report Menu.



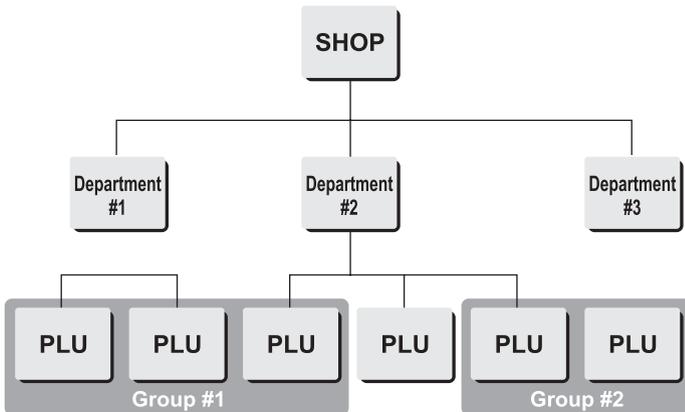
- To clear the selected PLU Sale Count, press the TEST key. To clear all PLU Sale Counts press the ZERO key.



2.2 Programming PLU Data Table I

In the CL5000, PLU's are organized by Departments and sometimes Groups as shown in the figure below. It is important to understand this structure to take advantage of the CL5000's sophisticated features regarding Label formats, X and Z reports, etc.

Note: Groups can cross-over the hierarchy of the department structure. You can organize PLU's by manufacturer, sales promotions, price range, etc.



Note: The CL5000 has a sophisticated discount price programming function. The discount price function can be programmed in great detail. Programming may be done very easily using the PC software program CL-Works.

2.2.1 Department (Menu code 1210)

(MENU → 2. PLU Data Table I → 1. Department)

The CL5000 can be programmed to have up to 99 different departments with like PLU numbers in each department. The Scale ID setting (Menu 1830) determines which PLU's an operator will be able to access on that scale. The operator will only be able to call up PLU's assigned to the Department Number programmed in the Scale ID setting. The Department number can be changed to access the different departments programmed in the scale. Each Department also has a specific Speed Key Set assigned to it in Menu 1830.

2.2.2 New/Edit Department (Menu code 1211)

(MENU → 2. PLU Data Table I → 1. Department → 1. New/Edit)

- ◆ You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Department Number

- Department number is available 1 to 99.

EX) Department No. = 2

2 PRINT

NEW / EDIT DEPARTMENT (1/2)
Department No. : [2]



2. Department Description

EX) Department Description = GROCERY

G R O C E R Y PRINT

NEW / EDIT DEPARTMENT (2/2)
Description : [GROCERY]
Speed Key Set No. : []



3. Speed Key Setting

- Refer to 2.6.1 Speed Key

EX) Speed key set no. = 1

Note: You can select from 5 different Speed Key sets. Refer to Section 2.6.1 Speed Key Set No.

1 PRINT

NEW / EDIT DEPARTMENT (2/2)
Description : [GROCERY]
Speed Key Set No. : [1]



2.2.3 List Department (Menu code 1212)

(MENU → 2. PLU Data Table I → 1. Department → 2. List)

1. Enter the range of Departments

EX) Department 1 ~ 10

- Press Print Key to List Departments on screen. After Departments are listed on the screen pressing the TEST key will print the Departments.

Note: Printing should be done on continuous label stock..

1 PRINT 1 0 PRINT

LIST DEPARTMENT (1/1)
- Start Number : [1]
- End Number : [10]
List Allpress [SAVE] key



No. Reference (descript)

1	1	Default
2	1	GROCERY



2.2.4 Delete Department (Menu code 1213)

(MENU → 2. PLU Data Table I → 1. Department → 3. Delete Department)

1. Enter Department number

EX) Delete department 2

Note: There is no confirmation request when deleting a Department. Pressing the PRINT key will cause the Department entered to be deleted.

2 PRINT



2.2.5 Group (Menu code 1220)

(MENU → 2. PLU Data Table I → 2. Group)

The Group menu is used to allow PLU's to be grouped regardless of their Department assignments. A PLU must be assigned to a Department but does not have to be assigned to a Group. The User may assign PLU's to a Group for the purpose of tracking sales promotions, manufacturer's information, price ranges, etc.

2.2.6 New/Edit Group (Menu code 1221)

(MENU → 2. PLU Data Table I → 1. Group → 1. New/Edit)

You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Enter Group Number

- Group number is available 1 to 99.

EX) Group No = 1

1 PRINT



2. Enter Group Description

EX) Group Description = BAGEL

B A G E L PRINT



2.2.7 List Group (Menu code 1222)

(MENU → 2. PLU Data Table I → 2. Group → 2. List)

1. Set the group range that you wish to see

EX) Groups 1~10

Press Print Key to List Groups on screen.
After Groups are listed on the screen,
pressing the TEST key will print the Groups.

Note: Printing should be done on continuous label stock.



2.2.8 Delete Group (Menu code 1223)

(MENU → 2. PLU Data Table I → 2. Group → 3. Delete)

1. Enter group number

EX) Delete group 1.

Note: There is no confirmation request when deleting a Group. Pressing the PRINT key will cause the Group entered to be deleted.



2.2.9 Tax Rate (Menu code 1230)

(MENU → 2. PLU Data Table I → 3. TAX Rate)

You can use tax number when you create PLU.

Note: Tax Rate programming requires that a Level 3 Password be entered. See Section 2.14.6 User/Security Configuration.

2.2.10 New/Edit Tax Rate (Menu code 1231)

(MENU → 2. PLU Data Table I → 3. TAX Rate → 1. New/Edit)

1. Enter tax number

- TAX number is available 1 to 9
- EX) TAX No. =1

1 PRINT

2. Set Tax Type

- See Tax Type table as below.
- EX) Internal TAX Type

0 PRINT

Item	Symbol	Description
Internal TAX	0	Tax is included in total price
External TAX	1	Tax is added on total price

※ Refer to menu code 1873(T.price = price + Tax) on chapter 2.14.21

3. Enter Tax Rate

EX) Tax Rate = 5.00%

5 0 0 PRINT

4. Exit Menu

- If you want to exit without making any changes, press ESC key.

×
ESC

2.2.11 List Tax Rate (Menu code 1232)

(MENU → 2. PLU Data Table I → 3. TAX Rate → 2. List)

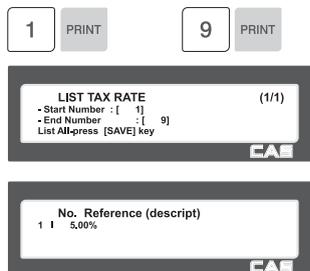
1. Set the range of Tax Rates to list.

EX) Tax Rates 1~9

Press Print Key to List Tax Rates on screen.

After Tax Rates are listed on the screen, pressing the TEST key will print the Tax Rates.

Note: Printing should be done on continuous label stock.



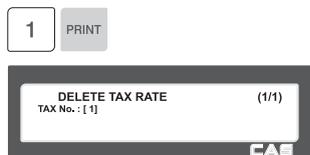
2.2.12 Delete Tax Rate (Menu code 1233)

(MENU → 2. PLU Data Table I → 3. TAX Rate → 3. Delete)

1. Enter tax number

EX) Delete tax number 1

Note: There is no confirmation request when deleting a Tax Rate. Pressing the PRINT key will cause the Tax Rate entered to be deleted.



2.2.13 Sales Message (Menu code 1240)

(MENU → 2. PLU Data Table I → 4. Sales Message)

Sales Messages can be printed on PLU labels providing the Label Format you are using contains a Sales Message Field. This is a great tool for advertising and cross-marketing products.

2.2.14 New/Edit Sales Message (Menu code 1241)

(MENU → 2. PLU Data Table I → 4. Sales Message → 1. New/Edit)

You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Enter Message Number

- Message number is available 1 to 99

EX) Message No. = 1



2. Enter Message

EX) Message = THANK YOU

Note: You can use lower case letter and special symbol by pressing shift / ASCII code



3. Exit Menu

- If you want to exit without making any changes, press ESC key.



2.2.15 List Sales Message (Menu code 1242)

(MENU → 2. PLU Data Table I → 4. Sales Message → 2. List)

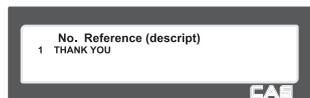
1. Set the List Range

- Set the range of sales message that you wish to list.

EX) Sales Messages 1~10

- Press Print Key to List Sales Messages on screen. After Sales Messages are listed on the screen, pressing the TEST key will print the Sales Messages.

Note: Printing should be done on continuous label stock.



2.2.16 Delete Sales Message (Menu code 1243)

(MENU → 2. PLU Data Table I → 4. Sales Message → 3. Delete)

1. Enter Message No.



EX) Delete message 1.

Note: There is no confirmation request when deleting a Sales Message. Pressing the PRINT key will cause the Sales Message entered to be deleted.



2.2.17 Origin (Menu code 1250)

(MENU → 2. PLU Data Table I → 5. Origin)

To print the Country of Origin on a Label, the Label Format being used must contain an Origin Field. You can also print the Country of Origin in one of the Commodity Name Lines by using Menu Code 1872. Again, your Label Format must have an area available to print the Origin.

2.2.18 New/Edit Origin (Menu code 1251)

(MENU → 2. PLU Data Table I → 5. Origin → 1. New/Edit)

※ You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Enter Origin No.

- Origin number is available 1 to 500



EX) Origin No = 10



2. Enter Origin

EX) Origin = KOREA



3. Exit Menu

- If you want to exit without making any changes, press ESC key.



2.2.19 List Origin (Menu code 1252)

(MENU → 2. PLU Data Table I → 5. Origin → 2. List)

1. Set the List Range

- Set the range of origin that you wish to list

EX) Origins 1~20

- Press Print Key to List Origins on screen.
After Origins are listed on the screen,
pressing the TEST key will print the Origins.

Note: Printing should be done on continuous label stock.

1 PRINT 2 0 PRINT

LIST ORIGIN (1/1)
• Start Number : [1]
• End Number : [20]
List All • Press [SAVE] Key

No. Reference (descript)
10 KOREA

2.2.20 Delete Origin (Menu code 1253)

(MENU → 2. PLU Data Table I → 5. Origin → 3. Delete)

1. Enter Origin No.

EX) Delete Origin 10.

Note: There is no confirmation request when deleting an Origin . Pressing the PRINT key will cause the Origin entered to be deleted.

1 0 PRINT

DELETE ORIGIN (1/1)
Origin No. [10]

2.2.21 Barcode (Menu code 1260)

(MENU → 2. PLU Data Table I → 6. Barcode)

Up to 99 different Bar Code Formats can be programmed in the CL5000. Different Bar Code Formats can be assigned to individual PLU's or one Bar Code Format can be used for all PLU's by enabling the Global Barcode Format Setting (Menu 1520).

2.2.22 New/Edit Barcode (Menu code 1261)

(MENU → 2. PLU Data Table I → 6. Barcode → 1. New/Edit)

1. Enter Barcode No.

- This value can be from 1 to 99.

EX) Barcode No = 1

1 PRINT

NEW/EDIT BARCODE (1/2)
Barcode No : [1]
Description : []

2. Barcode Description.



EX) Barcode Description = EAN13-1

3. Barcode Type

- Reference following table.

EX) Barcode Type = 1. EAN-13



► type of Barcode

No.	Type	Description
1	EAN-13	13digit
2	EAN13A5	13digit + 5digit
3	EAN-8	8 digit
4	I20F5	2~24 digit
5	UPCA	12 digit
6	UPC-13	13 digit
7	CODE39	Alphanumeric character, Format 'T', prints out the name of PLU.
8	CODE93	
9	CODE128	
10	CODABAR	

4. Enter Barcode Form

- You can select from a list of Barcode types or you can create your own custom format
- Refer to following table.

EX) Barcode Form = 1. Change DDIIIIIPPPPC to GGIIIIIVPPPC



► The following defines the format characters for Barcode Formats : Example EAN13)

Form No.	Format	Form No.	Format
0	User Defined Barcode	3	DIIIIIPPPPPC
1	DDIIIIIPPPPPC	4	DIIIIIPPPPPC
2			

► The following defines the format characters for Barcode Formats: (Example)

No.	Symbol	Description
1	I	• item code
2	N	• PLU number
3	P	• price
4	V	• price check digit (It is created automatically)
5	U	• unit price
6	W	• weight
7	Q	• quantity
8	D	• department
9	G	• group
10	K	• country code (For future)
11	A	• ticket counter (Only for ticket)
12	B	• scale transaction counter
13	C	• total barcode check sum (It is created automatically)
14	F	• PLU prefix character
15	T	• text character
16	R	• transaction counter for each PLU
17	L	• clerk number
18	X	• traceability number
19	Y	• slaughter house number
20	Z	• cutting hall number
21	E	• born in country number
22	H	• bred in country number
23	M	• bar string

No.	Symbol	Description
24	%	• % : print next fixed character*
25	0~9	• numbers

*% : It is used to enter characters therefore you cannot use this to enter numbers.

5. Exit Menu

- If you want to exit, press ESC key.



2.2.23 List Barcode (Menu code 1262)

(MENU → 2. PLU Data Table I → 6. Barcode → 1. List)

1. Set the list range

- Set the range of barcode that you wish to check

EX) Barcodes 1~10

- Press Print Key to List Barcodes on screen. After Barcodes are listed on the screen, pressing the TEST key will print the Barcodes.

Note: Printing should be done on continuous label stock.



2.2.24 Delete Barcode (Menu code 1263)

(MENU → 2. PLU Data Table I → 6. Barcode → 3. Delete)

1. Enter barcode number to delete

EX) Delete barcode 1.

Note: There is no confirmation request when deleting a Barcode . Pressing the PRINT key will cause the Barcode entered to be deleted.



2.2.25 Tare No.(Menu code 1270)

(MENU → 2. PLU Data Table I → 7. Tare No)

The CL5000 can be programmed to use a Tare No. instead of a numeric value.(System Parameter 584) If you are using Tare Numbers they should be programmed prior to programming any PLU's that use a Tare weight.

Note: Tare weights for use in Tare No.'s can be programmed using the known numeric value or by placing the actual container on the scale.

2.2.26 New/Edit Tare No.(Menu code 1271)

(MENU → 2. PLU Data Table I → 7. Tare No → 1. New/Edit)

1. Enter Tare No.

- This value can be from 1 to 99.

EX) Tare No. = 1



2. Tare No. Description

EX) Tare Description = Container



3. Tare Type

- There are 2 types of Tare Weights that can be entered.

Ex.) Tare Type = 1 Numeric Type

Enter the numeric value using the number keys.



Ex.)Tare Type = 2 Weight Type

Place the container on the platter and press the PRINT key after the weight stabilizes.

► Type of Tare

Tare No.	Type of Tare	Description
1	Numeric Tare	Enter tare weight by using numeric keys.
2	Weight Tare	Put a container on the platter

4. Enter Tare Value

EX) Tare = 0.010 lb



5. Exit Menu

- If you want to exit, press ESC key.



- ※ If you set Tare No. to 1 when you create PLU, tare is set to 0.010kg that is programmed here.

2.2.27 List Tare No.(Menu code 1272)

(MENU → 2. PLU Data Table I → 7. Tare → 2. List)

1. Set the list range

- Set the range of Tare No.'s that you wish to check

EX) Tare No. 1~10

- Press Print Key to List Tare No.'s on screen.

After Tare No.'s are listed on the screen, pressing the TEST key will print the Tare No.'s.

Note: Printing should be done on continuous label stock.



2.2.28 Delete Tare No. (Menu code 1273)

(MENU → 2. PLU Data Table I → 7. Tare No. → 3. Delete)

1. Enter tare number to delete

EX) Delete tare no. 1

Note: There is no confirmation request when deleting a Tare No. Pressing the PRINT key will cause the Tare No. entered to be deleted.



2.2.29 Tare Key (Menu code 1274)

(MENU → 2. PLU Data Table I → 7. Tare No. → 4. Tare Key)

This menu allows you to assign the Tare No.'s (Menu 1271) to Tare Keys. Tare Keys must be programmed using Menu 1880 Function Key Define. There is a maximum of 9 Tare Function Keys available.

Note: When Special Function Keys are programmed they take the place of PLU Speed Keys, reducing the number of Speed Keys accordingly.

1. Enter tare Key.

EX) Tare Key = 1

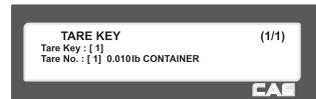


2. Enter tare number

EX) Tare No = 1

Note: Tare No.'s can be 1 to 99.

Tare Keys are 1 to 9 only.



2.2.30 Unit Symbol (Menu code 1280)

(MENU → 2. PLU Data Table I → 8. Unit Symbol)

This menu allows you to program or change the Unit Symbol that will print on the label for Non Weight or By Count PLU's.

2.2.31 New/Edit Unit Symbol (Menu code 1281)

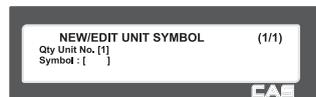
(MENU → 2. PLU Data Table I → 8. Unit Symbol → 1. New/Edit)

You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Enter unit number

- This value can be from 1 to 8.

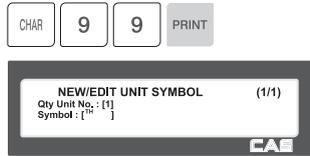
EX) Qty Unit No. = 1



2. Enter unit symbol

EX) Symbol = TH

- If you want to enter special symbol, press the CHAR key and enter the code value.
(See ASCII code table on chapter 4.4)



3. Exit menu

- If you want to exit, press ESC key.



2.2.32 List Unit Symbol (Menu code 1282)

(MENU → 2. PLU Data Table I → 8. Unit Symbol → 2. List)

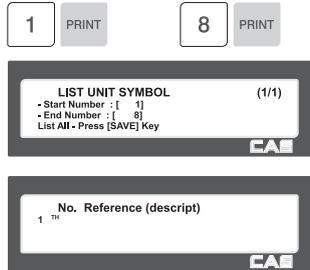
1. Set the list range

EX) Unit Symbols 1~8

- Press Print Key to List Unit Symbol No.'s on screen.

After Unit Symbol No.'s are listed on the screen, pressing the TEST key will print the Unit Symbol No.s.

Note: Printing should be done on continuous label stock.



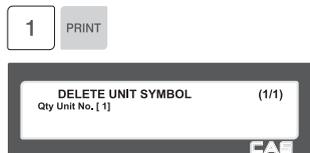
2.2.33 Delete Unit Symbol (Menu code 1283)

(MENU → 2. PLU Data Table I → 8. Unit Symbol → 3. Delete)

1. Enter unit symbol number to delete

EX) Delete unit symbol 1.

Note: There is no confirmation request when deleting a Unit Symbol No. Pressing the PRINT key will cause the Unit Symbol No. entered to be deleted.



2.3 Programming PLU Data Table II

2.3.1 Ingredient (Menu code 1310)

(MENU → 3. PLU Data Table II → 1. Ingredient)

2.3.2 New/Edit Ingredient (Menu code 1311)

(MENU → 3. PLU Data Table II → 1. Ingredient → 1. New/Edit)

- ◆ You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Enter ingredient number.

- This value can be from 1 to 999.

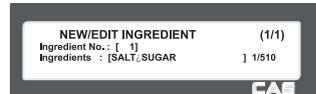
EX) Ingredient number = 1



2. Enter ingredient

EX) Ingredient Line1 = SALT

EX) To print "SUGAR" on next line, enter "↵" after SALT.



- Note: The numbers on the right side of the brackets show the total number of characters used and the maximum number of characters for the ingredient message. Pressing the PG UP or PG DOWN key will move the cursor to the beginning or end of the brackets respectively.

3. Exit menu

- If you want to exit, press ESC key.



2.3.3 List Ingredient (Menu code 1312)

(MENU → 3. PLU Data Table II → 1. Ingredient → 2. List)

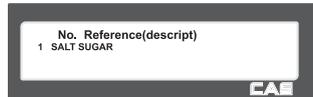
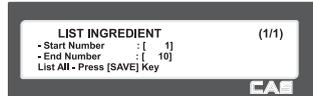
1. Set the list range

EX) Ingredient No.'s 1~10

※ Press Print Key to List Ingredient No.'s on screen.

After Ingredient No.'s are listed on the screen, pressing the TEST key will print the Ingredient No.'s.

Note: Printing should be done on continuous label stock.



2.3.4 Delete Ingredient (Menu code 1313)

(MENU → 3. PLU Data Table II → 1. Ingredient → 3. Delete)

1. Enter ingredient number to delete

EX) Delete ingredient no. 1

Note: There is no confirmation request when deleting an Ingredient No. Pressing the PRINT key will cause the Ingredient No. entered to be deleted.



2.3.5 Nutrition Facts (Menu code 1320)

(MENU → 3. PLU Data Table II → 2. Nutrition Facts)

Using this menu you can program Nutrition Facts information that can be linked to individual PLU's.

Note: The printing size of the Nutrition Facts may vary depending on the label format selected.

► Nutrition Facts table

Nutrition Facts	Description
Calories	
Calories From Fat	
Total Fat	G
Saturated Fat	G
Trans Fat	G
Cholesterol	mg
Sodium	mg
Total Carbohydrates	G
Dietary Fibers	G
Sugars	G
Protein	G
Vitamin A	%
Calcium	%
Vitamin C	%
Iron	%

2.3.6 New/Edit Nutrition Facts (Menu code 1321)

(MENU → 3. PLU Data Table II → 2. Nutrition Facts → 1. New/Edit)

You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

1. Nutrition Fact No

- This value can be from 1 to 500.

EX) Nutrition fact no = 1



2. Enter description

EX) BEEF STEW

B E E F
S T E W PRINT

NEW/EDIT NUTRIFACT (1/10)
Nutrition Fact No : [1]
Description : [BEEF STEW]



3. Enter Serving Size (TXET)

EX) Serving size = 1CUP

1 C U P PRINT

NEW/EDIT NUTRIFACT (2/10)
Serving Size : [1CUP]
Serving Per : []



4. Serving Per Con

EX) Serving Per Container = 2

2 PRINT

NEW/EDIT NUTRIFACT (2/10)
Serving Size : [1CUP]
Serving Per : [2]



5. Calories

EX) Calories = 230

2 3 0 PRINT

NEW/EDIT NUTRIFACT (3/10)
Calories : [230]
Calories From Fat : [0]



6. Calories from fat

EX) Calories From Fat= 120

1 2 0 PRINT

NEW/EDIT NUTRIFACT (3/10)
Calories : [230]
Calories From Fat : [120]



7. Total Fat (G)

EX) Total fat = 14 g

1 4 PRINT

NEW/EDIT NUTRIFACT (4/10)	
Total Fat	: [14]
Saturated Fat	: [0]



8. Saturated fat (G)

EX) Saturated fat = 7 g

7 PRINT

NEW/EDIT NUTRIFACT (4/10)	
Total Fat	: [14]
Saturated Fat	: [7]



9. Trans Fat (G)

10. Cholesterol (MG)

EX) Cholesterol = 40 mg

4 0 PRINT

NEW/EDIT NUTRIFACT (5/10)	
Cholesterol	: [40]
Sodium	: [0]



11. Sodium (MG)

EX) Sodium = 950 mg

9 5 0 PRINT

NEW/EDIT NUTRIFACT (5/10)	
Cholesterol	: [40]
Sodium	: [950]



12. Total Carbohydrate (G)

EX) Total Carbohydrate = 16 g

1 6 PRINT

NEW/EDIT NUTRIFACT (6/10)	
Total Carbohydrate	: [16]
Dietary Fibers	: [0]



13. Dietary Fibers (G)

EX) Dietary Fiber = 2 g

2 PRINT

NEW/EDIT NUTRIFACT (6/10)	
Total Carbohydrate	: [16]
Dietary Fibers	: [2]



14. Sugars (G)

EX) Sugars = 3 g

3 PRINT

	NEW/EDIT NUTRIFACT	(7/10)
Sugars	:[3]	
Protein	:[0]	



15. Protein (G)

EX) Protein = 11 g

1 1 PRINT

	NEW/EDIT NUTRIFACT	(7/10)
Sugars	:[3]	
Protein	:[11]	



16. Vitamin A (%)

EX) Vitamin A = 20%

2 0 PRINT

	NEW/EDIT NUTRIFACT	(8/10)
Vitamin A	:[20]	
Calcium	:[0]	



17. Calcium (%)

EX) Calcium = 2%

2 PRINT

	NEW/EDIT NUTRIFACT	(8/10)
Vitamin A	:[20]	
Calcium	:[2]	



18. Vitamin C (%)

EX) Vitamin C = 0 %

0 PRINT

	NEW/EDIT NUTRIFACT	(9/10)
Vitamin C	:[0]	
Iron	:[0]	



19. Iron (%)

EX) Iron = 6 %

6 PRINT

	NEW/EDIT NUTRIFACT	(9/10)
Vitamin C	:[0]	
Iron	:[6]	



2.3.7 List Nutrition Facts (Menu code 1322)

(MENU → 3. PLU Data Table II → 2. Nutrition Facts → 2. List)

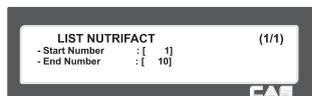
1. Set the list range

EX) NutriFact No.'s 1~10

• Press Print Key to List NutriFact No.'s on screen.

After NutriFact No.'s are listed on the screen, pressing the TEST key will print the NutriFact No.'s.

Note: Printing should be done on continuous label stock.



2.3.8 Delete Nutrition Facts (Menu code 1323)

(MENU → 3. PLU Data Table II → 2. Nutrition Facts → 3. Delete)

1. Enter nutrition fact number to delete.

EX) Delete nutrition facts no.1

Note: There is no confirmation request when deleting a NutriFact No. Pressing the PRINT key will cause the NutriFact No. entered to be deleted.



2.4 Discount Programming

2.4.1 Discount (Menu code 1130)

(MENU → 1. PLU → 3. Discount)

The Discount Programming Menu is used to program promotional pricing for individual PLU's. Discount pricing can be accomplished using Menu code 1130 or by using the CL Works Software. Discount information must be programmed in each PLU.

2.4.2 New/Edit Discount (Menu code 1131)

(MENU → 1. PLU → 3. Discount → 1. New/Edit)

- ◆ You can use the PG UP and PG DOWN keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

1. Enter department number and PLU number.

EX) Ingredient number = 1



2. Enter discount type

- Refer to Discount Type table as below

※ Discount information can be different depending on the discount type.

EX) 1. Unit Price Discount



► Discount Type

#	Type	Description
1	Unit Price Discount	- By Weight PLU: Set the discount amount on unit price, depending on weight. - By Count/PCS PLU: Set the discount amount on unit price, depending on number of items.
2	% Unit Price Discount	- By Weight PLU: set discount % of unit price, depending on weight. - By Count/PCS PLU: set discount % of unit price, depending on number of items.
3	Total Price Discount	- Set discount amount for total price.
4	% Total Price Discount	- Set discount % of total price.
5	Fixed Price	- Set a fixed amount for discount.
6	Free Item	- Set free of charge item.
7	Free Addition	- By Weight PLU: Set discount weight. - By Count/PCS PLU: Set discount number
8	Total Price by total price	- Set a discount amount of total price for current total price.
9	% Total Price by Total Price	- Set a discount % of total price for current total price
10	Unit Price by Total Price	- Set a discount amount of unit price for current total price
11	Extra by Total Price	- Set a discount number of item for current total price

※ Please refer to "Parameter" when user wants to also see the unit price discounted on "Unit Price" segment together with total price discounted in display

3. Enter discount value

- Refer to table below.

※ Target unit is different depending on the PLU type. This is By Weight PLU therefore this unit is weight. In case of By count PLU or By PCS PLU, unit is count.

1 0 0 PRINT

1 0 0 PRINT

NEW/EDIT DISCOUNT (3/7)
 First Target : [0.100] Weight
 First Value : [1.00] Price
 CAE

EX) 1st Target: 0.100 lb
 1st Value: 1.00 \$
 2nd Target: 0.500 lb
 2nd Value: 2.00 \$

5 0 0 PRINT

2 0 0 PRINT

NEW/EDIT DISCOUNT (4/7)
 Second Target : [0.500] Weight
 Second Value : [2.00] Price
 CAE

No.	Type	Description
1	First Target Weight	Set weight limit for 1st stage of idscount.
2	First Value Price	Set the discount amount of unit price for the first weight limit.
3	Second Target Weight	Set weight limit for 2nd stage of discount.
4	Second Value Price	Set the discount amount of unit price for the second weight limit.

4. Discount Condition 1: (Set the day of week)

1 -> Discount
 0 -> Do not discount
 EX) Discount on Thursday, Friday and Saturday

0 0 0 0

1 1 1 PRINT

NEW/EDIT DISCOUNT (5/7)
 Input '1' or '0' : [SMTWTFSS]
 Day of Week : [00001111]
 CAE

5. Discount Condition 2 (Set date and time)

EX) Start Date: 04-07-01

End Date : 04-07-31

EX) Start Time: 8am

End Time: 6:30pm

Note: If you set the date and time to 0,
the PLU will be discounted all of the time.

0 4 0 7 0 1 PRINT

0 4 0 7 3 1 PRINT

NEW/EDIT DISCOUNT (6/7)
Start Date : [04-07-01] YY-MM-DD
End Date : [04-07-31] YY-MM-DD

0 8 0 0 0 0 PRINT

1 8 3 0 0 0 PRINT

NEW/EDIT DISCOUNT (7/7)
Start Time : [08:00:00] 0..23 Hour
End Time : [18:30:00] 0..23 Hour

6. Exit menu

- If you want to exit without making any changes, press the ESC key.

X
ESC

2.4.3 List Discount (Menu code 1132)

(MENU → 1. PLU → 3. Discount → 2. List)

1. Enter department number to check

EX) Department No 1.

1 PRINT

LIST DISCOUNT (1/2)
Department No: [1]

2. Enter PLU range to check

EX) PLU No.'s 1-10

Press Print Key to List Discount type of PLU
No.'s on screen.

1 PRINT 1 0 PRINT

LIST DISCOUNT (2/2)
Start PLU No : [1]
End PLU No : [10]
List All - Press 'SAVE' Key

After Discount type of PLU No.'s are listed
on the screen, pressing the TEST key will
print the Discount type of PLU No.'s.

Note: Printing should be done on continuous
label stock.

2.4.4 Delete Discount (Menu code 1133)

(MENU → 1. PLU → 3. Discount → 3. Delete)

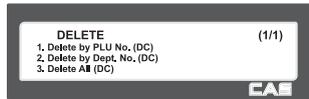
This menu is used to delete existing Discounts. There are three methods available to delete Discounts. Simply enter the number of the method you wish to use.

2.4.5 Delete by PLU No. (DC) (Menu code 1137)

(MENU → 1. PLU → 3. Discount → 3. Delete → 1. Delete by PLU no.(DC))

EX) Press 1 key to select Delete by PLU No.(DC)

1 PRINT

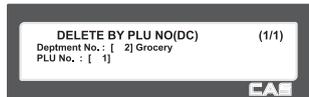


1. Enter the department number and PLU number to delete

EX) Department number = 2
PLU No. = 1

2 PRINT

1 PRINT



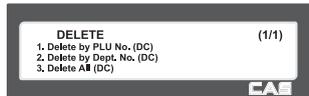
Note: There is no confirmation request when deleting a Discount of a PLU No. Pressing the PRINT key will cause the Discount of the PLU No. entered to be deleted.

2.4.6 Delete by Dept. No. (DC) (Menu code 1138)

(MENU → 1. PLU → 3. Discount → 3. Delete → 2. Delete by Dept. No (DC))

EX) Press 2 key to select Delete by Dept. No.(DC)

2 PRINT



1. Enter the department number to delete

EX) Department number = 2

Note: There is no confirmation request when deleting a Discounts by Department No. Pressing the PRINT key will cause all Discounts in the Department Number entered to be deleted.

2 PRINT

DELETE BY DEPT. NO(DC) (1/1)
Deptment No.: [2] Grocery

2.4.7 Delete ALL (DC) (Menu code 1139)

(MENU → 1. PLU → 3. Discount → 3. Delete → 3. Delete ALL(DC))

EX) Press 3 key to select Delete All(DC)

3 PRINT

DELETE (1/1)
1. Delete by PLU No. (DC)
2. Delete by Dept. No. (DC)
3. Delete All (DC)

Press 1 key to say yes to Delete All(DC)

Note: There is no confirmation request when deleting all Discounts. Pressing the PRINT key will cause All Discounts in all Departments to be deleted.

1 PRINT

DELETE ALL(DC) (1/1)
Are you sure?(1=Y/0=N) []

2.5 Global Discount Programming

2.5.1 Global Discount (Menu code 1530)

(MENU → 5. Global Setting → 3. Discount)

This menu is used to select what type of Discount is applied to a PLU. You can select to use a Global Discount for all PLU's, apply Discounts based on individual PLU's or use no Discount at all. Refer to the chart below for all options.

2.5.2 Priority Setting (Menu code 1531)

(MENU → 5. Global → 3. Discount → 1. Priority)

This menu is used to determine which Discount will have priority. Refer to the chart below.

Note: Discount information can be seen on the display using Menu code 1871.
(See chapter 2.14.21) Discount information is also printed on the label.

► Discount Priority Setting

No	Type	Description
0	No Discount	No discount applied
1	PLU Discount	PLU discount only applied
2	Global Discount	Global discount only applied
3	No Discount in PLU then Global	PLU discount is applied. If there is no PLU discount, apply global discount

2.5.3 Weight/Count/PCS Discount (Menu code 1532/1533/1534)

(MENU → 5. Global → 3. Discount → 1. Priority)

If you want to use the Global Discount method and apply the same discount regardless of PLU, you can set the Discount information in Menu code 1532, 1533 and 1534. You can use the same procedures shown in chapter 2.4.2.

Global Discount condition by weight Item (Menu code 1532)

(MENU → 5. Global Setting → 3. Discount → 2. Weight discount)

Global Discount condition Non Weight Item (Menu code 1533)

(MENU → 5. Global Setting → 3. Discount → 3. Non Weight discount)

Global Discount condition by Count Item (Menu code 1534)

(MENU → 5. Global Setting → 3. Discount → 4. Count discount)

2.6 Speed Key Setting

2.6.1 Speed Key Setting (Menu code 1160)

(MENU → 1. PLU → 6. SPEED KEY)

This menu is used to program Speed keys. Speed keys are short-cut keys used to allow quick access to the most frequently used PLU's in a department. There is also a SHIFT function that allows you to set a second level of Speed keys that will double the number of Speed keys available in a department.

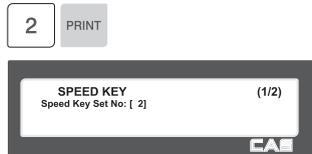
You can program up to 5 different Speed Key Sets but only one set can be used in a department at a time. The Speed Key Set that is used in a department is determined by Menu code 1211 (chapter 2.2.2)

Note: Function keys can be programmed using Menu code 1880 (chapter 2.14.22) and are assigned to Speed Key locations. If you program Function keys on the CL5000 you will decrease the total number of Speed Keys available.

1. Speed Key Set No.

- Select speed key set no. You can use this number when you program menu 1211. (See the chapter 2.2.2)

EX) Speed key set No. = 2



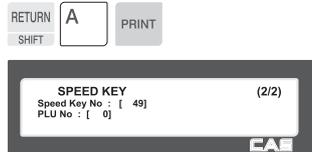
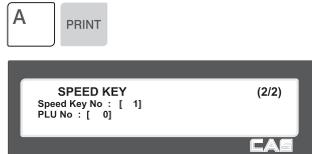
2. Speed Key Programming

- The Speed Keys are numbered left to right and top to bottom. Standard keyboard type has 48 physical keys but by using the SHIFT function you can have up to 96. The CL5000 Pole type has 72 physical keys but can have a maximum of 144 by using the SHIFT function.

EX1) Speed key no. 1

or

EX2) Speed key no. 49



Note: In Ex. 2, by using the RETURN/SHIFT key, the same physical key can be programmed to recall two different PLU's.

3. PLU No.

- Enter PLU no. to assign speed key 1.
EX1) PLU 10 = BEEF

Note: PLU should be belong to scale's department.



2.7 Traceability

2.7.1 Traceability (Menu code 1330)

(MENU → 3. PLU Date Table II → 3. Traceability)

This Menu is used to program the history of a PLU. You must follow local Traceability regulations when using this menu.

Note: You should program the Country Code (Menu 1340), Slaughter House (Menu 1350) and Cutting Hall (Menu 1360) before programming the Traceability.

2.7.2 New/Edit Traceability (Menu code 1331)

(MENU → 3. PLU Date Table II → 3. Traceability → 1. New/Edit)

- ▶ You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Enter traceability number

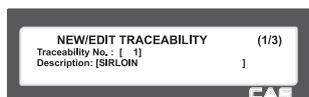
- This value can be from 1 to 999.

EX) Traceability number = 1



2. Enter description

EX) Description = SIRLOIN



3. Born in country number

EX) Born in country No. = 1. SWEDEN

1 PRINT

NEW/EDIT TRACEABILITY (2/3)
Born in Country No.: [1]
Bred in Country No.: [1]
SWEDEN
CAE

4. Bred in country number

EX) Bred in country No. = 95. KOREA

9 5 PRINT

NEW/EDIT TRACEABILITY (2/3)
Born in Country No.: [1]
Bred in Country No.: [95]
KOREA
CAE

5. Slaughter house number

EX) Slaughter house No. = 12. BILLY S

1 2 PRINT

NEW/EDIT TRACEABILITY (3/3)
Slaughter House No.: [12]
Cutting Hall No.: [1]
BILLY S
CAE

6. Cutting hall number

EX) Cutting hall No. = 23. HAN S CUT

2 3 PRINT

NEW/EDIT TRACEABILITY (3/3)
Slaughter House No.: [12]
Cutting Hall No.: [23]
HAN S CUT
CAE

7. Exit menu

- If you want to exit without making any changes, press ESC key.

X
ESC

2.7.3 List Traceability (Menu code 1332)

(MENU → 3. PLU Date Table II → 3. Traceability → 2. List)

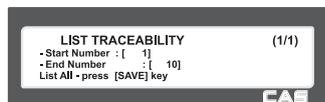
1. Set the list range

- Ex.) Traceability No.'s 1~10

Press Print Key to List Traceability No.'s on screen.

After Traceability No.'s are listed on the screen, pressing the TEST key will print the Traceability No.'s.

Note: Printing should be done on continuous label stock.



2.7.4 Delete Traceability (Menu code 1333)

(MENU → 3. PLU Date Table II → 3. Traceability → 3. Delete)

1. Enter traceability number to delete

EX) Delete traceability no. 2

Note: There is no confirmation request when deleting a Traceability No. Pressing the PRINT key will cause the Traceability No. entered to be deleted.



2.8 Country Programming

2.8.1 Country (Menu code 1340)

(MENU → 3. PLU Date Table II → 4. Country)

This menu is used to program Country information. Country information is used when programming Traceability Numbers. Therefore Country information programming should be completed prior to programming Traceability.(Menu 1330)

2.8.2 New/Edit Country (Menu code 1341)

(MENU → 3. PLU Date Table II → 4. Country → 1. New/Edit)

- ▶ You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter country number

- This value can be from 1 to 999.

EX) Country No. = 1



2. Enter country name

EX) Name = KOREA



3. Exit menu

- If you want to exit without making any changes, press ESC key.



2.8.3 List Country (Menu code 1342)

(MENU → 3. PLU Date Table II → 4. Country → 2. List)

1. Set the list range

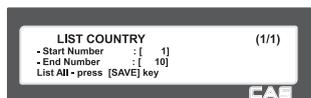
- Set the list range to check

EX) Country No.'s 1~10

Press Print Key to List Country No.'s on screen.

After Country No.'s are listed on the screen, pressing the TEST key will print the Country No.'s.

Note: Printing should be done on continuous label stock. key.



2.8.4 Delete Country (Menu code 1343)

(MENU → 3. PLU Date Table II → 4. Country → 3. Delete)

1. Enter country number to delete

EX) Delete country no. 1

Note: There is no confirmation request when deleting a Country No. Pressing the PRINT key will cause the Country No. entered to be deleted.



2.9 Programming Slaughter House

2.9.1 Slaughter House (Menu code 1350)

(MENU → 3. PLU Date Table II → 5. Slaughter House)

This menu is used to program Slaughter House information. Slaughter House information is used when programming Traceability Numbers. Therefore Slaughter House information programming should be completed prior to programming Traceability.(Menu 1330)

2.9.2 New/Edit Slaughter House (Menu code 1351)

(MENU → 3. PLU Date Table II → 5. Slaughter House → 1. New/Edit)

- ▶ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter slaughter House number

- This value can be from 1 to 999.

EX) Slaughter house No. = 1



2. Enter Slaughter House

- Enter slaughter house name or registered number.

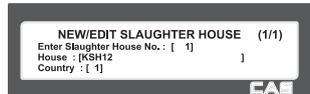
EX) Slaughter house registered no. = KSH12



3. Enter slaughter house country number

- You can use contry number which is programmed at menu 1341

EX) Slaughter house Country No. = 1.
KOREA



4. Exit menu

- If you want to exit without making any changes, press ESC key.



2.9.3 List Slaughter House (Menu code 1352)

(MENU → 3. PLU Date Table II → 5. Slaughter House → 2. List)

1. Set the list range

- Enter list range to check

EX) Slaughter House No.'s 1~10

Press Print Key to List Slaughter House No.'s on screen.

After Slaughter House No.'s are listed on the screen, pressing the TEST key will print the Slaughter House No.'s.

Note: Printing should be done on continuous label stock.



2.9.4 Delete Slaughter House (Menu code 1353)

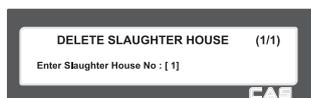
(MENU → 3. PLU Date Table II → 5. Slaughter House → 3. Delete)

1. Enter slaughter House number

- 1. Enter slaughter house number to delete

EX) Delete slaughter house no. 1

Note: There is no confirmation request when deleting a Slaughter House No. Pressing the PRINT key will cause the Slaughter House No. entered to be deleted.



2.10 Programming Cutting Hall

2.10.1 Cutting Hall (Menu code 1360)

(MENU → 3. PLU Date Table II → 6. Cutting Hall)

This menu is used to program Cutting Hall information. Cutting Hall information is used when programming Traceability Numbers. Therefore Cutting Hall information programming should be completed prior to programming Traceability.(Menu 1330)

2.10.2 New/Edit Cutting Hall (Menu code 1361)

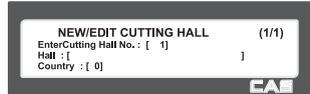
(MENU → 3. PLU Date Table II → 6. Cutting Hall → 1. New/Edit)

- ▶ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Enter cutting hall number

- This value can be from 1 to 999

EX) Cutting hall no. = 1



2. Enter cutting hall information

- Enter cutting hall name or registered number.

EX) Cutting hall registered number = KCH12



3. Cutting hall Country number

- You can use country number which is programmed at menu 1341

EX) Cutting Hall Country no. = 1.
KOREA



4. Exit menu

- If you want to exit without making any changes, press ESC key.



2.10.3 List Cutting Hall (Menu code 1362)

(MENU → 3. PLU Date Table II → 6. Cutting Hall → 2. List)

1. Set the list range

- Set the list range to check

EX) Cutting Hall No.'s 1~10

- Press Print Key to List Cutting Hall No.'s on screen.

After Cutting Hall No.'s are listed on the screen, pressing the TEST key will print the Cutting Hall No.'s.

Note: Printing should be done on continuous label stock.



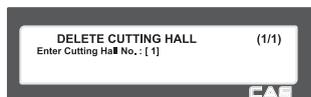
2.10.4 Delete Cutting Hall (Menu code 1363)

(MENU → 3. PLU Date Table II → 6. Cutting Hall → 3. Delete)

1. Enter cutting hall number to delete

EX) Delete cutting hall no. 1

Note: There is no confirmation request when deleting a Cutting Hall No. Pressing the PRINT key will cause the Cutting Hall No. entered to be deleted.



2.11 Programming Store Data

This chapter explains how to access and program Store Data, Customer Information, Scrolling Messages and Currency Data.

2.11.1 Store Data (Menu code 1410)

(MENU → 4. Store Data Table → 1. Store)

This menu shows how to program Store Data information.

2.11.2 New/Edit Store (Menu code 1411)

(MENU → 4. Store Data Table → 1. Store → 1. New/Edit Store)

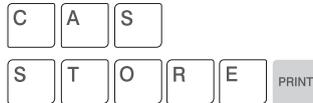
1. Enter store number.

EX) #1



2. Press PRINT key and enter appropriate text in NAME .

EX) NAME = CAS STORE



3. Press PRINT key, then user may enter other store information such as TELEPHONE NUMBER or any text information.

EX) TEL.#=2019339002,
TEXT=NJ CAS office



4. Press PRINT key and user may go back to STORE main menu by using ESC key.



2.11.3 List Store (Menu code 1412)

(MENU → 4. Store Data Table → 1. Store → 2. List Store)

- ➔ This menu shows the list of STORE saved.
- ➔ Press 2 in STORE menu to get into LIST STORE menu.
- ➔ Press SAVE key to list all of STORE information saved.

1. Set the list rang

- Set the list range to check

EX) Store No.'s 1~10

Press Print Key to List Store No.'s on screen.

After Store No.'s are listed on the screen, pressing the TEST key will print the Store No.'s.

Note: Printing should be done on continuous label stock



2.11.4 Delete Store (Menu code 1413)

(MENU → 4. Store Data Table → 1. Store → 3. Delete Store)

This menu is used to delete Store data.

1. Store delete

EX) Store. 1

Note: There is no confirmation request when deleting a Store No. Pressing the PRINT key will cause the Store No. entered to be deleted.



2.11.5 Customer (Menu code 1420)

(MENU → 4. Store Data Table → 2. Customer)

This Menu is used to program the Customer Information. Customer Information is used to manage a specific Customer's Accounts Receivable. It is used in the Clerk Mode when issuing a receipt for a Credit Transaction.

Ex.) Pre-paid Customer, Monthly Payment, etc.

2.11.6 New/Edit Customer (Menu code 1421)

(MENU → 4. Store Data Table → 2. Customer → 1. New/Edit)

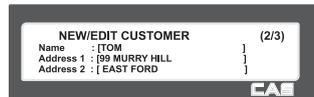
1. Enter Customer number and press "PRINT" key.

EX) Customer No.=1,



2. Enter other informations in [], such as Name, Address1, and Address2.

EX) NAME=TOM
ADDRESS 1=99 Murry hill.
ADDRESS 2=East ford



3. Press "PRINT" key, then user may enter the Address 3, TEL. Number and customer s CREDIT LIMIT AMOUNT.

EX) ADDRESS=NJ 07073
TEL=2019339002
CREDIT LIMIT AMOUNT=200.00



4. Press "PRINT" key, to enter the information. User may go back to main CUSTOMER menu by pressing "X/ESC" key.



2.11.7 List Customer (Menu code 1422)

(MENU → 4. Store Data Table → 2. Customer → 2. List)

This Menu allows you to list the Customer No.'s on the screen or print them out for your records.

1. Set the list range

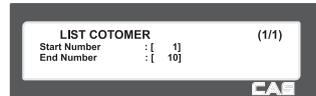
- Set the list range to check



EX) Customer No.'s 1~10

- Press Print Key to List Customer No.'s on screen.

After Customer No.'s are listed on the screen, pressing the TEST key will print the Customer No.'s.



Note: Printing should be done on continuous label stock.

2.11.8 Delete Customer (Menu code 1423)

(MENU → 4. Store Data Table → 2. Customer → 3. Delete)

This Menu allows you to Delete a Customer from the file.

1. Enter customer to delete

EX) Delete customer N0.=1

Note: There is no confirmation request when deleting a Customer No. Pressing the PRINT key will cause the Customer No. entered to be deleted.



2.11.9 Scroll Message (Menu code 1430)

(MENU → 4. Store Data Table → 3. Scroll Message)

This Menu is used to program the Scrolling Message function in the CL5000. The Scrolling Message can be used for advertisements, sales promotions, sales messages, etc.

2.11.10 Configuration (Menu Code 1431)

(MENU → 4. Store Data Table → 3. Scroll Message → 1. Configuration)

The configuration function allows you to program the wait time and the actual scrolling speed of the message.

1. Configuration

- User may set the wait time from 1 to 6000 second. Setting wait time as 0 means NO use “Scroll Message”.

Wait Time

This value can be from 1 to 6000 seconds.
Ex.) 5 seconds

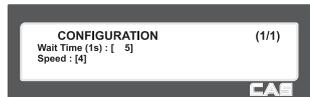
Note: If a 0 is entered it will disable the Scrolling Message.

Speed

This value can be from 1 to 9.

Note: The recommended speed is the default speed of 4.speed. User may set it from 1 to 9.

Default speed: 4 (recommended).



2.11.11 Edit Scroll Message (Menu Code 1432)

(MENU → 4. Store Data Table → 3. Scroll Message → 2. Edit Scroll Message)

This Menu allows you to program the actual information that will be in the Scrolling Message. You may input up to 9 messages and use two different scrolling effects.

1. Enter Message No. and Message Text

- 1. Enter Message No. and Message Text.

Ex.) Message No. = 1

Ex.) Message Text = Scrolling Message



2. Set scrolling message effect

- Effect =0 : Do not use.
Effect =1 : Scroll message left to right
Effect =2 : Scroll message right to left



3. Select Scrolling Message for Use.

- Y : USE
N : DO NOT USE



4. Set date of scroll message

- Date Setting
Ex.) 1 = Yes
Day of the Week Setting
Ex.)
SMTWTFS
1 0 1 1 111
1 = Yes, message will be shown on that day.
0 = No, message will not be shown on that day.



- Enter Date
Ex.) Start Date = 00-00-00
End Date = 00-00-00
Note: If you enter 00-00-00 for a Start and End Date. This means that the message will be shown starting today and will be shown everyday until December 31, 2099.



- Enter Time
Ex.) Start Time = 00:00:00
End Time = 00:00:00



Note: Start time should be lower than the End time. If 00:00:00 is entered for both times then the message will be displayed for the entire day.



2.11.12 List Scroll Message (Menu Code 1433)

(MENU → 4. Store Data Table → 3. Scroll Message → 3. List)

This Menu is used to List all programmed Scrolling Messages.

1. Set the list range

- Set the list range to check



EX) Message No.'s 1~10

Press Print Key to List Message No.'s on screen.



After Message No.'s are listed on the screen, pressing the TEST key will print the Message No.'s.

Note: Printing should be done on continuous label stock.

2.11.13 Currency (Menu code 1440)

(MENU → 4. Store Data Table → 4. Currency)

User may save rate of currency to default currency and convert to another currency simply by this function.

☞ Please refer to Menu 1880 Function key definition .

2.11.14 New/Edit Currency (Menu Code 1441)

(MENU → 4. Store Data Table → 4. Currency → 1. New/Edit)

1. Numbering Currency

- You can save up to 4 different currencies by numbering 1~4.

EX) Currency No. = 1

1 PRINT

NEW/EDIT CURRENCY (1/3)
Enter Currency No.: [1]
Rate Decimal Point.: [4]

2. Rate Decimal Point

- Enter the Rate Decimal Point (default = 4)

EX) Rate Decimal Point = 3

3 PRINT

NEW/EDIT CURRENCY (1/3)
Enter Currency No.: [1]
Rate Decimal Point.: [3]

3. Currency Rate.

- Enter comparative rate of currency to default currency set.

EX) Default currency = \$1.00

Comparative currency rate to default
currency

= ₩ 1,2800.

1 2 8 0 0 PRINT

NEW/EDIT CURRENCY (2/3)
Currency Rate.: [12,800]
Primary Sign.: []

4. Primary Sign

- Enter the first currency sign to be changed.

EX) Primary Sign = \$

CHAR 8 0 PRINT

NEW/EDIT CURRENCY (2/3)
Currency Rate.: [12,800]
Primary Sign.: [\$]

5. Last Symbol

- Enter the last currency symbol to be changed.

EX) No last symbol

PRINT

NEW/EDIT CURRENCY (3/3)
Last Sign.: []
Price Decimal Point.: [0]

6. Price Decimal Digit

- Enter the number of decimal digit

EX) Price Decimal point digit = 2



► Printing formats of currency symbol

No	Printing Format	Description
0	100.00, 0.12	
1	\$ 100.00, \$ 0.12	
2	100.00 \$, 0.12\$	
3	\$ 100.00 c, \$0.12c	
4	\$ 100.00 c, 12c(Greek)	When total amount is less than 1, only Last currency symbol shows up.
5	\$100.00, \$0.12	
6	100.00\$, 0.12\$	
7	\$100.00c, \$0.12c	
8	\$100.00c, 12c(Greek)	When total amount is less than 1, only Last currency symbol shows up.

2.11.15 List Currency (Menu Code 1442)

(MENU → 4. Store Data Table → 4. Currency → 2. List)

1. Set the list range

- Set the list range to check

EX) Currency No.'s 1~4

- Press Print Key to List Currency No.'s on screen.

After Currency No.'s are listed on the screen, pressing the TEST key will print the Currency No.'s.

Note: Printing should be done on continuous label stock.



2.11.16 Delete Currency (Menu code 1443)

(MENU → 4. Store Data Table → 4. Currency → 3. Delete)

1. Currency number to delete

EX) Delete Currency no. 2

Note: There is no confirmation request when deleting a Currency No. Pressing the PRINT key will cause the Currency No. entered to be deleted.



2.12 Programming Global Setting

The Global Setting function is used to program functions of the CL5000 like Label Format, Barcode Format, Discount and Tax settings that will be used on every PLU or transaction. These settings, when selected override any settings that are programmed in the PLU. This function can be very convenient and time saving when used properly.

2.12.1 Global Label Format (Menu code 1510)

(MENU → 5. Global Setting → 1. Label Format)

This Menu is used to select whether you use a Global Label Format for all PLU's or if the Label Format will be programmed in the PLU data structure.

Note: Label Formats 1~45 are Fixed Label Formats and can not be modified. Formats 46~99 are Free Formats that may be created using the CL-Works PC Program and downloaded to the CL5000.

- ◆ You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

1. Global Label

- Ex.) Use Global Label Format = 1 Yes

Note: If you have selected to use a Global Label Format, the Label Format that is programmed in each PLU will be ignored and the Global Label Format selected in the next step will be used for every PLU.

1 PRINT

LABEL FORMAT (1/3)
Use Global Label (1=Y/0=N): [Y]
PLU Label No. : [0]

2. Set PLU label No.

- Set PLU label number

EX) PLU Label No. = 2. IS6040-0000(60x40)

2 PRINT

LABEL FORMAT (1/3)
Use Global Label (1=Y/0=N): [Y]
PLU Label No. : [2]
IS6040-0000(60x40)

3. Set Miscellaneous label number

- Set label format for miscellaneous item.

EX) Misc. Label No = 2. IS6040-0000(60x40)

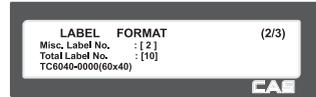
2 PRINT

LABEL FORMAT (2/3)
Misc. Label No. : [2]
Total Label No. : [2]
IS6040-0000(60x40)

4. Set total label number

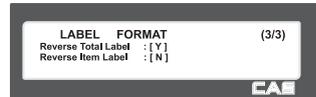
- Set label format of total label for Add-Up sales.

EX) Total label No. = 10 , TC6060-0002(60x60)



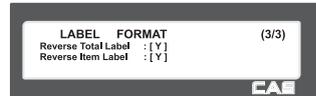
5. Set printing direction of total label

EX) Reverse Total Label = Y.



6. Set printing direction of PLU and Misc. item

EX) Reverse Item Label = Y



7. Exit menu

- If you want to exit, press ESC key.



2.12.2 Barcode Format (Menu code 1520)

(MENU → 5. Global Setting → 2. Barcode)

Global Barcode Setting provides all-in-one barcode setting by selecting nine different barcode options so that user does not need to save data for individual PLUs one by one. All related barcode data are selected and saved from PLU barcode data table user may already register.

- ◆ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. Set Global Barcode

- If you use global barcode, enter 1. If not, enter 0.
 - If you set it to 1, barcode number is ignored which is set in PLU programming
- EX) Use global barcode

1 PRINT

BARCODE		(1/4)
Use Global Barcode (1=Y/0=N)	:	[Y]
PLU Weight Barcode No.	:	[0]
PLU Count Barcode No.	:	[0]

CAB

2. Set barcode number for by-weight PLU

EX) PLU Weight barcode No. = 2

2 PRINT

BARCODE		(1/4)
Use Global Barcode (1=Y/0=N)	:	[Y]
PLU Weight Barcode No.	:	[2]
PLU Count Barcode No.	:	[0]

CAB

3. Set barcode number for Non-Weight PLU

EX) PLU Non-Weight barcode No. = 2

2 PRINT

BARCODE		(1/4)
Use Global Barcode (1=Y/0=N)	:	[Y]
PLU Weight Barcode No.	:	[2]
PLU Non-Weight Barcode No.	:	[2]

CAB

4. Set barcode number for By-Count PLU

EX) PLU Count barcode No. = 2

2 PRINT

BARCODE		(2/4)
PLU Count Barcode No.	:	[2]
PLU Fixed Barcode No.	:	[2]
Misc. Weight Barcode No.	:	[0]

CAB

5. Set barcode number for fixed PLU

EX) PLU fixed barcode No. = 2

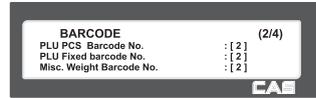
2 PRINT

BARCODE		(2/4)
PLU PCS Barcode No.	:	[2]
PLU Fixed barcode No.	:	[2]
Misc. Weight Barcode No.	:	[2]

CAB

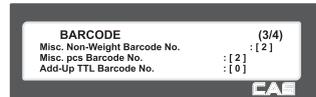
6. Set barcode number for Misc. weight item

EX) Misc. weight barcode No. = 2



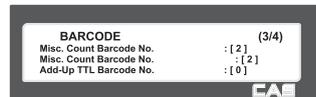
7. Set barcode number for Misc. Non-Weight item

EX) Misc. Non-Weight barcode No. = 2



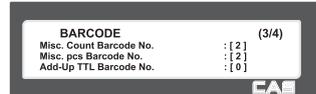
8. Set barcode number for Misc. Count Item

EX) Misc. Count barcode No. = 2



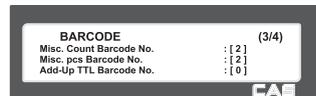
9. Set barcode number for Add-Up Total

EX) Add Up TTL barcode No. = 2



10. Set barcode number for floating Total

EX) Floating TTL barcode No. = 2



11. Exit menu

- If you want to exit, press ESC key.



2.13 Printing Programming

This chapter explains how to set printing-related environments, such as print label item, markdown, Hardware, serial number format, and ticket.

2.13.1 Printing (Menu code 1700)

(MENU → 7. Print)



► PRINT Submenu

No	Submenus	Description
1	Print Label Item	Select item(s) which is(are) not printed on label.
2	Markdown	Select "Yes" or "No" to print both of original and discount information on the label.
3	Print Hardware	Set the label type and sensor of printer
4	Serial Number Format	Set the format of serial number to print label or ticket
5	ADD-UP Total	Select add-up total label whether is printed or not
6	Ticket	Set printing item for ticket

2.13.2 Print label item (Menu code 1710)

(MENU → 7. Print → 1. Print Label Item)

If you set any of the items to N, they will not be printed on any labels regardless of the label format.

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

- ◆ You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

1. If you do not want to print, enter 0(N),
if you want to print, enter 1(Y).

PRINT or PRINT



► Print Label Item

Page	Item	Page	Item
1	Department Name Department Number Group Number	9	Refer. Net Weight Refer. Gross Weight Percent Tare
2	PLU Number PLU Name 1 PLU Name 2	10	Percent Tare Limit Saved Price Label Serial
3	PLU Name 3 Item Code Unit Weight	11	Store Name Clerk Number Clerk Name
4	Tax Rate Tax Price Tare Weight	12	Customer Name Customer Number Scale Number
5	Pieces Unit Symbol Sell By Date	13	Day of Week Currency Rate Second Total Price
6	Sell By Time Packed On Date Packed On Time	14	Second Unit Price Traceability Nutrition Fact
7	Produced Date Cook By Date Bonus Point	15	Label Caption Total Tax Price Second Add Total
8	Origin Ingredient Sales Message	16	Barcodes Image Weight
		17	Quantity Unit Price Total Price

2.13.3 Markdown (Menu code 1720)

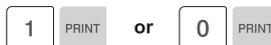
(MENU → 7. Print → 2. Mark down)

The Markdown Menu is used to determine if both the original and discounted unit price, total price, weight or quantity information is printed on the label. There are 4 sub-menus available.

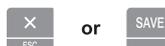
► Markdown Sub-menu

No	Sub-menu	Description
1	Total Price Markdown	Select "Yes" to print both the original Total Price and the Discounted Total Price if any. Otherwise select "No".
2	Unit Price Markdown	Select "Yes" to print both the original Unit Price and the Discounted Unit Price if any. Otherwise select "No".
3	Weight Markdown	Select "Yes" to print both of the original Weight information and the Discounted Weight information if any. Otherwise, select "No".
4	Quantity Markdown	Select "Yes" to print both the original Quantity information and the discounted Quantity information if any. Otherwise, select "No".

1. Select Yes or No by using 1 or 0 key and press "PRINT" key



2. After setting all of above MARKDOWN sub-menus use "X/ESC" key or "SAVE" key to go back to PRINT main menu.



2.13.4 Printer Hardware (Menu code 1730)

(MENU → 7. Print → 1. Printer Hardware)

This section is to explain how to set printing H/W environments in the following table.

1. Press “3” to get into H/W setting mode on Print Menu.



► Printer Hardware Sub-Menu

No.	Sub-menu	
1	Print Mode	Select label, ticket or continuous label mode.
2	Label / Ticket Size	If it is Label mode, “ Width(60) ”, “ Height(40) ” and “ Gap length(2) ” size is set, If it is Ticket mode, “ Width(60) ”, “ Feed(20) ” and “ End Margin(5) ” size is set. If you use Continuous Label Paper in Label mode, “Gap length” value is applied to “End Margin”. * The values in () are default.
3	Sensor Calibration	Enter the “ Gap(128) ” and “ Peel(128) ” values for printing sensor calibration. * The values in () are default. * If you press “TEST” key, Gap and Peel values are adjusted automatically. * In case of Ticket mode, Gap value is not saved.
4	Sensor & Motor	Set Peel-off sensor, Rewind Motor and Label Paper type
5	Print Intensity	Set the darkness of the label/ticket printed.
6	Adjust Feed Length	Set adjusting values of feed length. This value can be from -200 to +200. You can change sign(+, -) by pressing ZERO key. + value will cause print to higher - value will cause the print to lower than TPH. * Pressing “TEST” key automatically feeds to adjust the feed length.
7	Label Preprint	You can set preprint length.

2.13.5 Print Mode (Menu code 1731)

(MENU → 7. Print → 3. Printer Hardware → 1. Print Mode)

1. Select Print Mode

- 0 = Label Mode
- 1 = Ticket Mode
- 2 = Continuous Label Mode.

- Press "PRINT" to save.



2.13.6 Label Size/Ticket Size (Menu code 1732)

(MENU → 7. Print → 3. Printer Hardware → 2. Label Size)

This Menu allows you to program the width, height (length) and gap length for a label. Depressing the TEST key will automatically measure and set the height and gap length of the label. After pressing the TEST key you will need to quickly remove the labels as they are issued.

- Note: In Ticket Mode, "Ticket Size" is displayed instead of "Label Size" and "end margin" is used instead of "gap length". The TEST key has no function in this mode.

- In Continuous Label mode "Cont. Label Size" is displayed and "end margin" is used instead of "gap length". The TEST key has no function in this mode.

You must press the SAVE key to save the information and exit to the main Printer Hardware menu. Depressing the ESC key will return you to the main menu but will not save any information.



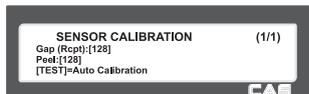
2.13.7 Sensor Calibration (Menu code 1733)

(MENU → 7. Print → 3. Printer Hardware → 3. Sensor Calibration)

This Menu is used to set the appropriate values for the Gap, Peel Off and Out of Paper sensors.

- Pressing the TEST key will automatically adjust the Gap and Peel Off sensors. The CL5000 will issue a few blank labels and then a label with the sensor values on it.

- Note: The blank labels should be removed immediately as they are issued. Failure to do so may result in an improper value of the sensors to be determined and problems with issuing labels. In Ticket Mode the "gap" value is not saved.



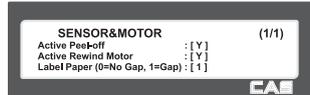
2.13.8 Sensor & Motor (Menu code 1734)

(MENU → 7. Print → 3. Printer Hardware → 4. Sensor&Motor)

This Menu allows you to program the Print Method type by activating or deactivating the Peel Off sensor, Rewind motor and selecting gap or no gap type label stock.

Note: Be sure to select the appropriate values for the type of Print Method you are using.

- If there is no gap on a label, set Label Paper to 0, if there a gap, set it to 1.
- When “Ticket Mode” is in “Print Mode”, [Rewind Motor] and [Label Paper] do not work.



2.13.9 Print Intensity (Menu code 1735)

(MENU → 7. Print → 3. Printer Hardware → 5. Print Intensity)

This Menu allows you to program the Print Intensity level. (Print darkness) The higher the number the darker the print will be. Pressing the TEST key will issue a sample label to verify the Print Intensity setting.

- You must press the SAVE key to save the setting and exit.



2.13.10 Adjust Feed Length (Menu code 1736)

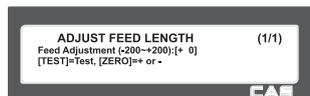
(MENU → 7. Print → 3. Printer Hardware → 6. Adjust Feed Length)

This Menu allows you to make minor adjustments to the Feed Length which will result in the print information moving up(+) or down (-) on the Label or Ticket.

Note: Feed Length Adjustment range is -200 to +200. Plus or Minus is controlled by the ZERO key.

- Value: 1 = 0.125mm

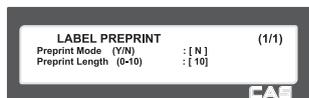
Ex.) “+8” will print 1mm higher
“-8” will print 1mm lower



2.13.11 Label Preprint (Menu code 1737)

(MENU → 7. Print → 3. Printer Hardware → 7. Label Preprint)

Enter “Y(Yes)” or “N(No)” to select Preprint mode and any value of the preprint length from “0 mm” to “10 mm”.



Press “TEST” to test preprinting.

After setting all of above H/W setting submenus use “X/ESC” key to go back to PRINT main menu

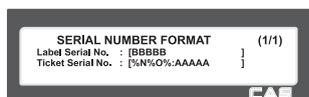


2.13.12 Serial Number Format (Menu code 1740)

(MENU → 7. Print → 4. Serial Number Format)

This Menu is for programming the Serial Number Format that can be printed on the Label/Ticket. The Serial Number can be used to keep track of the total number of Labels/Tickets issued for a given time period.

- ① Press “4” to go to SERIAL NUMBER FORMAT menu in PRINT main menu.

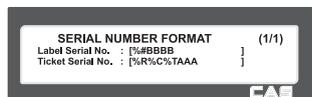


- ② Enter appropriate data in [].

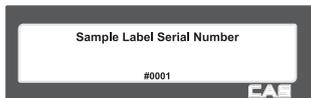


Ex.) Label Serial No. = #0001
Ticket Serial No. = RCT#001

Note: Programmable Item definitions are explained in the chart titled Meaning.



Meaning
• I : Item Code
• N : PLU Number
• P : Price
• U : Unit Price
• W : Weight
• Q : Quantity
• D : Department
• G : group
• A : Ticket Counter (Ticket Mode)
• B : Scale Transaction Counter
• F : PLU Prefix Character
• T : Text Character
• R : Transaction Counter of Each PLU
• L : Clerk Number
• % : Print Fixed Character in the Next Space.
• K : Country Code (For Future)



2.13.13 Add-Up Total (Menu code 1750)

(MENU → 7. Print → 5. Add-up Total)

This Menu allows you to select whether you can print a Total Label and Item Labels when you use ADD-UP Sales (Section 3.8).

- ① Press “5” to get into ADD-UP TOTA menu in PRINT main menu.

5



② Press “0” for “No” or “1” for “Yes” in [].



EX) Print Total Label - Yes
Print Item Label - No



③ Press “PRINT” key to save and go back to PRINT main menu



► Add-up setting

ADD-UP Setting	Description
Print Total Label	Total label is printed when you press the PRINT key during add-up sales.
Print Item Label	Item label is printed whenever you press the ADD key.

※ Applies to Label Mode only.

2.13.14 Ticket (Menu code 1760)

(MENU → 7. Print → 6. Ticket)

This Menu allows you to select which items (content) are printed on the ticket..

① Press “6” to go to TICKET setting.



2.13.15 Select Ticket Item (Menu code 1761)

(MENU → 7. Print → 6. Ticket → 1. Select Ticket Item)

① Press 1 to go to Select Ticket Item Menu.



Ex.) Print List = Yes
Print Total Barcode = Yes
Print Total Label = Yes



Print Total Barcode , and Print Total Label .

2.13.16 Select List Item (Menu code 1762)

(MENU → 7. Print → 6. Ticket → 2. Select List Item)

These items will print only if Print List is set to "Y" (Menu 1761) regardless of their setting in this Menu.

① Press 2 to go to Select List Item Menu.



Ex. Print Store Name = Yes
 Print Clerk Name = Yes
 Print Item Barcode = Yes



② Ex.) Print Tax Information = Yes
 Print Traceability = Yes
 Ticket Head Form No. = 2
 Ticket Tail Form No. = 3

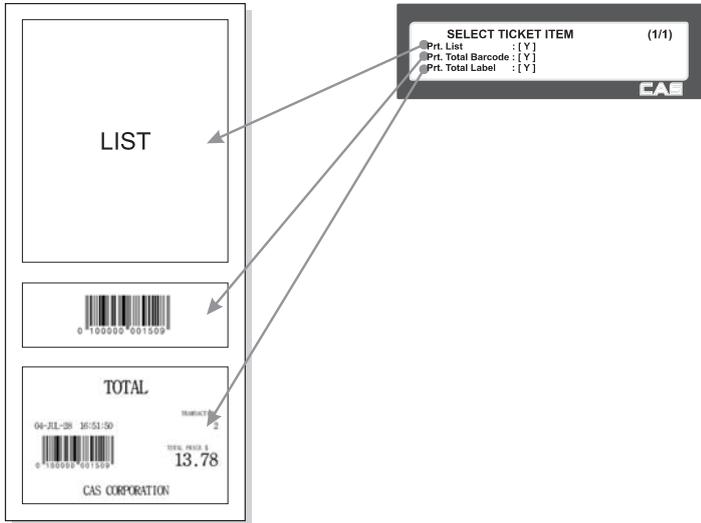


► Ticket Format Setting

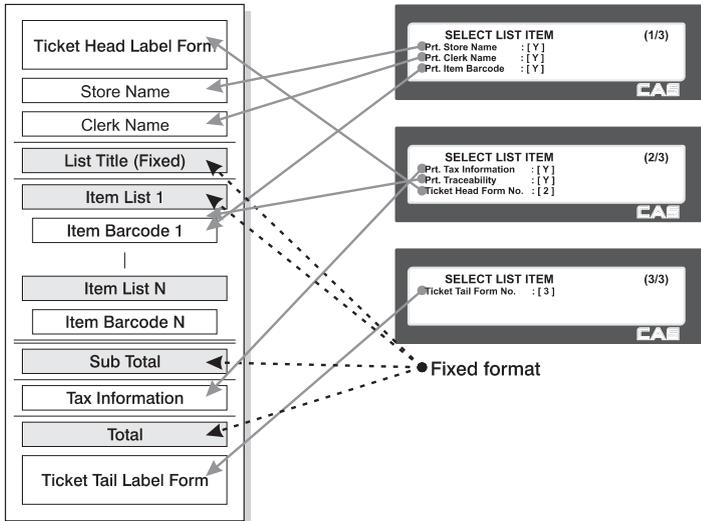
	Ticket Format Setting	Description
Ticket Item	Print List (Y/N)	■ Enables printing of each sales item on the Label/Ticket. If set to "Y" user can program List Item (Menu 1762)
	Print Total Barcode	■ Enables printing of the Total Barcode on the Label/Ticket.
	Print Total Label	■ Enables printing of a separate Total Label on the Label/Ticket.
	Print duplicate ticket	■ Enables printing of a duplicate Label/Ticket.
	Print List duplicate ticket	■ If Print Duplicate Ticket is enabled, setting this item to "Y" will enable the printing of the List Items on the Duplicate Label/Ticket. If set to "N" then only the Total Price will print on the Duplicate Label/Ticket.
List Item	Print Store Name	■ Printing Store Name on Label/Ticket.
	Print Clerk Name	■ Printing Clerk Name on Label/Ticket.
	Print Item Barcode	■ Printing every item 's barcode on Label/Ticket.
	Print Tax Information	■ Printing tax information on Label/Ticket.
	Print Traceability	■ Printing traceability information on Label/Ticket
	Ticket Head Form No.	■ Printing label format No. for ticket head.
	Ticket Tail Form No.	■ Printing label format No. for ticket tail.

※ Note: To use the Ticket Head and Ticket Tail Form No. you will have to create a label format using the CL-Works software program and download it to the scale.

◆ Ticket Format



◆ List Format



2.14 Programming Scale Configuration

2.14.1. Scale Configuration (Menu code 1800)

(MENU → 8. Scale Config)

This chapter explains how to configure the scale. The main menu of Scale Configuration is shown as below.



2.14.2 Sale Mode (Menu code 1810)

(MENU → 8. Scale Config → 1. Scale Mode)

This Menu allows you to select the appropriate Sale Mode that you want the scale to operate in. There are 7 different modes as explained in the table below.

► Sale Modes

No.	Sale Modes	Description
1	REG: Ticket & Floating	Selecting Ticket and Floating Clerk Mode.
2	REG: Label	Selecting Label Mode.
3	REG: Prepack	Selecting Prepack Mode.
4	REG: Label & Floating	Selecting Label and Floating Clerk Mode.
5	Manager	Selecting Manager Mode
6	Repack	Selecting Repack Mode (In this mode, totals are not added to the totals information file.)
7	Self Service & Label	Selecting Self Service Mode (In this mode, you can use speed key and some keys. If you want to escape from Sale Mode, press MENU key and SAVE key at the same time)

► By selecting one of the following Sale Modes you can accomplish a "one-stop" setting for the Clerk, Operation, Print and Prepack mode.

MODE	Clerk Mode	Operation Mode	Print Mode	Prepack Mode
1. REG: Ticket & Floating	Floating Clerk	Regist	Ticket	OFF
2. REG: Label	No Clerk	Regist	Label	OFF
3. REG: Prepack	No Clerk	Regist	Label	ON
4. REG: Label & Floating	Floating Clerk	Regist	Label	OFF
5. Manager	-	Manager	OFF	OFF
6. Repack	-	Repack	OFF	OFF
7. Self Service & Label	-	-	Label	OFF

You may also individually set the options for the Clerk and Operation Modes using MENU 1820 and the Print Mode using MENU 1731.

Note: Clerk Mode does not change automatically when selecting this Sale Mode.

1. Select a Sale Mode



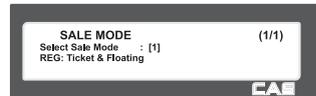
EX) 1) Sale mode = REG: Label



2. Select "Floating & Ticket" mode



EX) 2) Sale mode = REG: Ticket & Floating



2.14.3 Operation Mode (Menu code 1820)

(MENU → 8. Scale Config → 2. Operation Mode)

This MENU is used to manually select the Clerk and Operation Modes. There are three different Operation Modes: Registration, Repack and Manager. There are also three Clerk Modes; No Clerk, Standard Clerk and Floating Clerk. Refer to the following chart for an explanation of each of these modes.

► Clerk Modes

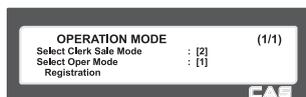
No	Clerk Modes	Description
1	No Clerk	All sales made by using the Print key.
2	Standard Clerk	Clerk can make sales after logging in using the Clerk Key.
3	Floating Clerk	Multiple Clerks can make sales using separate Clerk Keys.

► Operation Modes

No	Operation Modes	Description
1	Registration	Normal sales mode.
2	Repack	Normal sales mode but not included in total sales data(report). Good for clerk training.
3	Manager	User can access all functions without having to enter a password.

1. Select appropriate “CLERK MODE” and “OPERATION MODE”.

EX) Clerk Mode = Standard Clerk



Operation Mode = Registration



2.14.4 Department (Menu code 1830)

(MENU → 8. Scale Config → 3. Department)

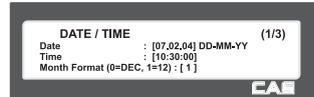
MENU 1830 is used to select the department that the scale will be used in. Once the department number is selected a user will only be able to recall PLU's that are in the scale and assigned to that department.

If a user would like to use PLU's registered in other departments programmed in the scale, then the user would have to change the scale's department number setting using this program.

The Store No. represents the actual Store Name (Menu 1410) that may be printed on the label/ticket.

1. Select Department No. and Store ID.

EX) DEPARTMENT No.= 2 (Grocery)



Store No.= 1 (Branch #1)



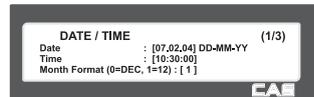
2.14.5 Date & Time (Menu code 1840)

(MENU → 8. Scale Config → 4. Date/Time)

This Menu is used to program the scale's Date and Time. Always using the correct Date and Time is critical to proper scale operations.

1. Set appropriate "DATE", "TIME", and "MONTH FORMAT".

EX) DATE= [07.02.04]
TIME= [10:30:00]
Month Format= [1]



2. Set "YEAR FORMAT", TIME FORMAT and separator for "DATE".

EX) Year Format (0=2001, 1=01) = [1]
Time Format(0~3) = [1]
Date Separator = [-]



3. Set separators for "TIME", using ASCII code table on page

EX) Time Separator = [:]



Note: Please refer to the ASCII Code Table" (Chapter 4.4) to input special characters used as the Date or Time separator.

4. Press the PRINT key to save the information and return to the Scale Configuration main menu.



2.14.6 User/ Security Configuration (Menu code 1850)

(MENU → 8. Scale Config → 5. User/Security Configuration)

Menu 1850 is used to create, edit, change, list or delete a clerk's security information. It is also used to assign clerk's to the clerk keys and configure their permission levels for individual functions.

2.14.7 New/Edit User(Menu code 1851)

(MENU → 8. Scale Config → 5. User/Security Con → 1. New/Edit)

Enter the appropriate User data for Clerk Number, Clerk Name, Nickname, Clerk Password, Clerk Level and Label Message No.

EX) Clerk No. = 2 ,
 Clerk Name = CHRISTOPER ,
 Nickname = CHRIS ,
 Clerk Password = 0115 ,
 Clerk Level = 3 ,

NEW/EDIT USER (1/2)
 Clerk No. : [2]
 Clerk Name : [CHRISTOPER]
 Nickname : [CHRIS]

NEW/EDIT USER (2/2)
 Clerk Password : [0115]
 Clerk Level : [3]

Note: If you are using Floating Clerk Mode, you have to register all Clerks.

► NEW/EDIT USER in USER'S Security Condition

No	Operation Modes	Description
1	Clerk No.	This value can be from 1 to 95.
2	Clerk Name	This value is available up to 22 characters.
3	Nickname	This value is available up to 7 characters. It can be printed on a label and displayed on the scale.
4	Clerk Password	4 digit alphanumeric (See Note 1 below)
5	Clerk Level	0~3 level (See Note 2 below)

Note 1: Password - When you enter the password, you have to type the Clerk Number (2 digits) and the Password (4 digits). For example, if your Clerk Number is 20 and your Password is 1234, you would have to enter 201234 PRINT key. The minimum Password length is 3 digits and the maximum is 6 digits."

If there is no level 3 Clerk assigned, you can use the Default Password (011).

Note 2: Clerk Level - This value relates to MENU 1855 Config Permission. It can be set from 0 to 3 with 0 being the lowest permission level and 3 being the highest permission level. For example if Clerk 5 is set to permission level 2 then Clerk 5 can use functions that are set to level 1 or 2 in MENU 1855 but not functions set to level 3.

No.	Level	Description
1	0	Assigned to employees that are registered but do are not using the scale.
2	1	Lowest level. Normal employees are assigned to level 1.
3	2	Usually assigned to senior employees or Department Managers.
4	3	Highest level. Usually assigned to Store Manager.

2.14.8 Change Password (Menu code 1852)

(MENU → 8. Scale Config → 5. User/Security Con → 2. Change Password)

This Menu item allows a user with an appropriate permission level to change their Password and their Password only. In the example below, Clerk 11 with a Password of 055 wants to change their Password to 22.

1. Enter password.

[Clerk No.] (2 digits) +
[Password] (4 digits max.)

EX) Clerk No. 11 Password 055 = 11055
PRINT key

2. Enter New Password

EX) New Password = 22 PRINT key

2.14.9 List User (Menu code 1853)

(MENU → 8. SCALE CONFIG → 5. User/Security Con. → 3. List)

1. Enter start number and end number to check

Note: To list all, press the SAVE key.

EX) User No.'s 1~10

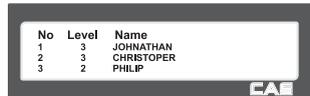
Note: There is no confirmation request when deleting a Clerk No. Pressing the PRINT key will cause the Clerk No. entered to be deleted.



LIST USER (1/1)
- Start Number : [1]
- End Number : [10]
List All - Press [SAVE] Key



1 PRINT 1 0 PRINT



No	Level	Name
1	3	JOHNATHAN
2	3	CHRISTOPER
3	2	PHILIP

Press Print Key to List User No.'s on screen. After User No.'s are listed on the screen, pressing the TEST key will print the User No.'s.

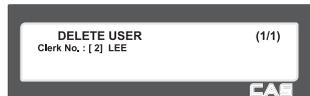
Note: Printing should be done on continuous label stock.

2.14.10 Delete User (Menu code 1854)

(MENU → 8. SCALE CONFIG → 5. User/Security Con. → 4. Delete)

1. Enter clerk number to delete

EX) Delete clerk no. 2



DELETE USER (1/1)
Clerk No. : [2] LEE

2.14.11 Config Permission (Menu code 1855)

(MENU → 8. SCALE CONFIG → 5. User/Security Con. → 5. Config Permission)

Config Permission level is directly associated with the Clerk permission level (Chapter 2.14.7). If a Clerk's permission level is lower than the Config Permission level assigned to a function, then the Clerk will not be allowed to access that function.

Ex.) Config Permission level for using the Price Change Key is set to a 2.

- Clerk 5 has a permission level of 1
- Clerk 5 will not be able to use the Price Change Key
- Clerk 6 has a permission level of 2
- Clerk 6 will be able to use the Price Change Key

Note: If Config Permission level is set to a 0, all clerks can access that function.

► Setting Configuration Permission

No	Operation	Description
1	Use Item Change Key	Set a permission level for PLU Change Key. (You can define this function key in menu 1880 on chapter 2.14.22)
2	Use Price Change Key	Set a permission level for Price Change Key. (You can define this function key in menu 1880 on chapter 2.14.22)
3	Use Dept. Change Key	Set a permission level for Department Change Key. (You can define this function key in menu 1880 on chapter 2.14.22)
4	Use Pay Key	Set a permission level for Pay key. (You can define this function key in menu 1880 on chapter 2.14.22)
5	Use Date Change Key	Set permission level for Date Change Key. (You can define this function key in menu 1880 on chapter 2.14.22)
6	Use Type Change Key	Set a permission level for PLU Type Change Key.(You can define this function key in menu 1880 on chapter 2.14.22)
7	Use selection PLU Item	Set a permission level for Selecting PLU item. (You can define this function key in menu 1880 on chapter 2.14.22)
8	Use Input Weight Key	Set a permission level for Input weight key(You can define this function key in menu 1880 on chapter 2.14.22)
9	Use Edit Discount Key	Set a permission level for Discount Key. (You can define this function key in menu 1880 on chapter 2.14.22)
10	Allow Clerk Sale	Set a permission level for password in floating mode
11	Allow Void	Set a permission level to void item
12	Allow Add Up	Set a permission level for add-up sales
13	Allow Return	Set a permission level to return item
14	Allow Override	Set a permission level to override price
15	Allow CashDraw Open	Set a permission level to open cash drawer
16	Allow Menu	Set a permission level to go to program menu
17	Allow Menu for edit PLU	Set a permission level to edit PLU
18	Allow Price Change	Set a permission level to change price
19	Allow Global Set	Set a permission level for global setting
20	Allow X Report	Set a permission level for X report
21	Allow Z Report	Set a permission level for Zreport
22	Allow Store Data Edit	Set a permission level to edit store data

No	Operation	Description
23	Allow Tax Edit	Set a permission level to edit tax
24	Allow Discount Edit	Set a permission level to edit tare
25	Allow Tare Edit	Set a permission level to edit traceability
26	Allow Traceability Edit	Set a permission level to edit customer
27	Allow Customer Edit	Set a permission level for scale configuration
28	Allow Scale Config	Set a permission level for communication message.
29	Allow Communication MSG	Set a permission level to edit data table I.
30	Allow Edit Data Table 1	Set a permission level to edit data table II.
31	Allow Edit Data Table 2	Set a permission level for printer setting
32	Allow Printer Setting	Set a permission level to change operation mode
33	Allow Change Oper Mode	Set a permission level to change user param.
34	Allow Change User Param	Set a permission level for communication setting.
35	Allow Set Communication	Set a permission level to edit tare

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

2.14.12 Clerk Key (Menu code 1856)

(MENU → 8. SCALE CONFIG → 5. User/Security Con. → 6. Clerk Key)

Menu 1856 is used to assign Clerks to Clerk Keys. You can program up to 64 Clerk Keys using Menu 1880 Key Define (Chapter 2.14.22).

Note: Clerk Keys subtract from the total number of Speed Keys available. Once a Clerk Key is assigned to a Speed Key location, there is no Shift function available for that key location either.

1. Enter Clerk Key

- This value can be from 1 to 64.

EX) Clerk Key No. = 2



2. Enter Clerk No.

EX) Clerk = 2. LEE



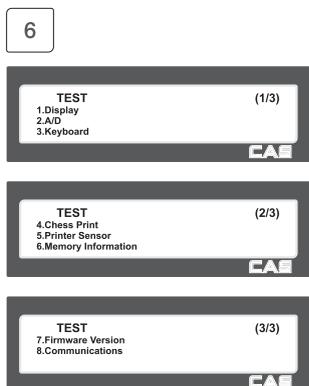
In this example Lee, who is Clerk 2 is assigned to Clerk Key No. 2. This means that anytime Clerk Key number 2 is pressed during a sale that sale will be registered to Clerk 2, Lee.

2.14.13 Test (Menu code 1860)

(MENU → 8. SCALE CONFIG → 6. Test)

This Menu is used to perform diagnostic tests on the scale. The tests available are Display, A/D, Keyboard, Chess Print, Printer Sensor, Memory Information, Firmware Version and Communications.

- ① Press “6” to get into TEST menu.



2.14.14 Display Test (Menu code 1861)

(MENU → 8. SCALE CONFIG → 6. Test → 1. Display)

Pressing 1 while on the Test Menu screen will automatically initiate the Display Test function. The Display Test will test the seven segment display as well as the LCD graphic display. To exit the Display Test function simply press the X/ESC key and you will be returned to the Test Menu screen.

2.14.15 A/D Test (Menu code 1862)

(MENU → 8. SCALE CONFIG → 6. Test → 2. A/D)

To test the A/D, press “2”



To set zero press “ZERO”
User may exit from this menu, using “X/ESC” key

2.14.16 Keyboard Test (Menu code 1863)

(MENU → 8. SCALE CONFIG → 6. Test → 3. Keyboard)

To test keyboard, press “3” Display will show grid point Press any key to test key pad.
To exit keyboard test, press “ESC” two times.



2.14.17 Chess Printer Test (Menu code 1864)

(MENU → 8. SCALE CONFIG → 6. Test → 4. Chess Print)

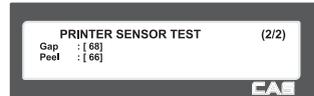
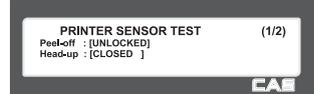
Press “TEST” key to test printing a label.



2.14.18 Printer Sensor Test (Menu code 1865)

(MENU → 8. SCALE CONFIG → 6. Test → 5. Printer Sensor)

To test printer sensor, press “5” on Test menu screen. The display will show the current status of the sensors. You can use the PG UP and PG DOWN keys to navigate from page to page or you can use the Arrow keys to go from page to page.



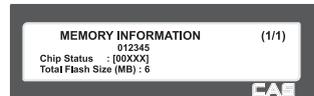
► Printer Sensor Test Items

No	Test Items	Description
1	Peel-off	Displays the status of the Peel-Off Sensor.
2	Head-up	Displays the status of the Head Open Sensor
3	Gap	Displays real-time value of the Gap Sensor.
4	Peel	Displays real-time value of the Peel Off Sensor.

2.14.19 Memory Information (Menu code 1866)

(MENU → 8. SCALE CONFIG → 6. Test → 6. Memory Information)

To see memory information, press “6” on Test menu screen. The display shows current memory size. 0 indicates 1MB. You can exit from this menu, by pressing “X/ESC” key.



2.14.20 Firmware Version (Menu code 1867)

(MENU → 8. SCALE CONFIG → 6. Test → 7. Firmware Version)

You can use the PG UP and PG DOWN keys to navigate from page to page or you can use the Arrow keys to go from page to page.



2.14.21 Communication (Menu code 1868)

(MENU → 8. SCALE CONFIG → 6. Test → 8. Communication)

You can diagnose a communication(RS232C) status of scale which is connected to PC by pressing any key.

If you press “A” key, “A” character is displayed in both scale and PC in normal state.

You can exit from this menu, by pressing “X/ESC” key.



2.14.22 Scale Parameter (Menu code 1870)

(MENU → 8. SCALE CONFIG → 7. Scale Parameter)

You can set scale's environment as below.

► Scale Parameter

Menu	Sub-menu	Setting Value	Description	
1. Display (Menu code:1871)	Display Discount Info	Y/N	The scale shows discount information.	
	Show Clerk Nickname	Y/N	The scale shows clerk's nickname.	
	PLU Name Align	0: Left alignment 1: Center alignment 2: Right alignment	Set the alignment position of the PLU Name.	
2. Printing (Menu code:1872)	Label prt w.o rewind (x Key)	Y/N	Disable the rewind motor when you use the X key.	
	Confirm prt report on label	0:Print automatically 1:Need to confirm to print report and do not confirm any more until power off 2:Need to confirm to print report and do not confirm any more until you exit program mode	Set confirm method when you print report in label mode	
	Print origin for comm..line	0: Do not print 1: Print in Name 1. 2: Print in Name 2 3: Print in Name 3	Print Country of Origin in Commodity Name Line.	
	Print unit symbol in qty area	Y/N	Print Qty Symbol in qty area.	
	Print pieces in unit price area	Y/N	Print Pieces in unit price area.	
	Print All report within range	Y/N	Print all report	
	Swedish Auto Barcode	0	0	Not used
		1	1	The "DD" field in Barcode is printed "20","21","22" according to the range of prices.
2		2	The "DD" field in Barcode is printed "23","24","25" according to the range of weight.	

	Print Prepack Type	0	Using a regular date format as "Year, Month, Day", print a date on the position of "Pack Date" field of the label.
		1	Using a monthly date format as "A(=Monday),B(=Tuesday),...", print a date on position of "Pack Date" field of the label.
		2	Using a date format as "MON,TUE,WED,..."; print a date on position of "Pack Date" field of the label.
		3	Using a date format as "Year, Day"(no month), print a date on the position of "Pack Date" field of the label.
	Print Item when return	Y/N	When you press the "RETURN" key, a label will be printed.
3. Sale Setup (Menu code:1873)	Save unit price change	Y/N	When you press the "RETURN" key, a label will be printed.
	Save Type change	Y/N	Save unit price change.
	Start save mode(start up)	Y/N	Save type Change in PLU
	PLU or Alt sale(WT. On Tray)	Y/N	Save mode is active when you turn on the scale.
	Print count w.o misc. key	Y/N	PLU is cleared after printing even though there is an item on the platter.
	Print weight w.o misc. key	Y/N	If you enter count, it is considered that misc. count condition when there is no Misc. Key
	T.price = price + Tax	Y/N	If there is an item on the platter, it is considered that misc. weight condition when there is no Misc. Key
	Shift key instead return Key	Y/N	Tax is included in total price
	Use double speed key	Y/N	Use shift key instead of return key.
	Multi-print on discount sale	Y/N	Use double speed key
	Start auto mode(start up)	Y/N	Set a "X" key to use or not when you begin the discount sale using "DISC(%)" and "DISC(-)"key.
Enable Quick PLU	Y/N	Set a start mode to "Auto" or not when the scale start.	
4. Clerk (Menu code:1874)		Y/N	Enable Quick PLU
		1~999	After printing label, automatically Clerk Log off

You can use the **PG UP** and **PG DOWN** keys to navigate from page to page, or you can use the Arrow keys to go through each page 1 line at a time.

2.14.23 Function Key Define (Menu code 1880)

(MENU → 8. Scale → 8. function Key Define)

You can define function keys to Speed keys. It is recommended that you define function key to higher number Speed key because you can not use that PLU key.



1. Enter key code

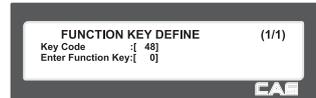
Pole type : 72 Speed Keys

Standard type : 48 Speed Keys.

If you press Speed key, the displays shows the key code of that speed key.

EX1) Standard Type :

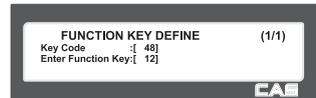
EX1) Press last speed key.



2. Enter function key

EX1) Use 12 Function key (LCD

Back_light ON/OFF) Refer to below table.



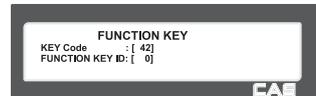
3. To cancel function key.

Enter key code to cancel and set Function Key No. to 0

EX) Key Code = 42

EX1) Function Key id = 0

If you cancel function key, you can use it as Speed key.



► Function Key.

Function Key	Define	Description
1	[DISC -]	- SALE Key
2	[DISC%]	% SALE Key
3	[SPECIAL SALE]	Special sales unit price
4	[NEGATIVE]	Negative sale
5	[FIXED PRICE]	Fixed Price Key
6	[TYPE CHANGE]	WT/CT Key
7	[CASHOPEN]	Cash Drawer Open Key
8	[GRAND TOTAL]	Grand Total Key
9	[PLU REFERENCE]	Reference PLU Key
10	[IN WEIGHT]	INWeight Key
11	[LABEL/TICKET]	Toggle between the Label and Ticket
12	[LEDON]	LCD Backlight On/Off Key
13	[MISC WEIGHT]	Misc. Weight Key
14	[MISC COUNT]	Misc. Count Key
15	[MISC PCS]	Misc. PCS Key
16	[EDIT SELL]	Sell By Date Change Key
17	[EDIT ORIGIN]	Origin Change Key.
18	[EDIT ITEM]	PLU Change Key
19	[EDIT DATETIME]	Change Date/Time
20	[EDIT D/C]	Set discount for current PLU
21	[EDIT SPEEDKEY]	Change PLU Speed key
22	[EDIT PRICE]	PLU Price Change Key
23	[CLERK CALL]	Clerk key to call indirectly
24	[LAST VOID]	Void Last Sale
25~28	[CURRENCY1~4]	Call Currency Table
31~39	[TARE KEY1~9]	Call Tare Table
51~83	CLERK(V1~V32)	Clerk key
0 or 9999		PLU Key

2.15 Report

2.15.1 Introduction

X mode is used to read (i.e. print and display) sales data. There are variety of reports that you can generate from X mode. Each of these reports is kept in two separate counters or “books” called X1 and X2. The X1 and X2 reports allow you to print reports at any time for either of the reporting periods.

You can use X1 reports to see current daily totals and X2 reports to see current weekly totals. The time period combinations (daily, weekly, monthly, etc.) are determined by how you use the Z1 and Z2 (reset) reports.

Remember that you can generate as many X reports as you would like because X mode does NOT clear any sales data.

2.15.2 Report Menu (Menu code 1600)

(MENU → 6. Report)



No.	Submenus	Description
1	X1 Report	Print and display sales data of period 1
2	Z1 Report	Print, display and clear sales data of period 1
3	X2 Report	Print and display sales data of period 2
4	Z2 Report	Print, display and clear sales data of period 2
5	Clear All	Clear all reports of period 1 and 2

2.15.3 X1/X2 Report (Menu code 1610/1630)

(MENU → 6. Report → 1. X1 Report / → 3. X2 Report)

There are 7 detailed reports.



No	Submenus	Description
1	Scale	Print and display scale sales report
2	PLU	Print and display PLU sales report
3	Misc. PLU	Print and display Misc. PLU sales report
4	Group	Print and display group sales report
5	Department	Print and display department sales report
6	Hourly	Print and display hourly sales report
7	Clerk	Print and display clerk sales report

2.15.4 X1/X2 Scale Sales Report (Menu code 1611/1631)

(MENU → 6. Report → 1. X1 Report /3. X2. Report → 1. Scale)

If you press “1” key on X1/X2 Report menu screen, scale sales report is shown on the display.

1



To print this report, press “TEST” key.

PAY
TEST



To exit this menu, press the "ESC" key.



► Sample - Scale Report

```
X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
=====
SCALE #01
-----
TOTAL COUNT          267
TOTAL PRICE          $ 5693,70
VOID COUNT           3
VOID PRICE           $ 27,30
REPACK COUNT         0
REPACK PRICE         $ 0,00
OVERRIDE COUNT       0
OVERRIDE PRICE       $ 0,00
DISCOUNT COUNT      0
DISCOUNT PRICE      $ 0,00
PREPACK COUNT        1
PREPACK PRICE         $ 3,05
RETURN COUNT         0
RETURN PRICE          $ 0,00
NO SALE OPEN COUNT   0

PAY SUMMARY
CASH      26      $ 1242,70
PIN/CHIP  2        $ 12,50
CHECK     2        $ 82,00
CREDIT CARD 5      $ 84,40
CREDIT NOTE 2      $ 61,00
COUPON    3        $ 17,00
BONUS POINT 0      $ 0,00
CREDIT SALES 3     $ 60,00
CHANGE   17      $ 287,46

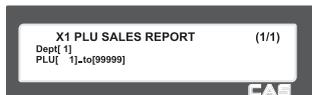
TAX SUMMARY
1:10,00%,Internal    $ 67,39
2:10,00%,External    $ 242,00
3: 8,00%,Internal    $ 190,95
4: 0,00%              $ 0,00
5: 0,00%              $ 0,00
6: 0,00%              $ 0,00
7: 0,00%              $ 0,00
8: 0,00%              $ 0,00
9: 0,00%              $ 0,00
=====
```

2.15.5 X1/X2 PLU Report (Menu code 1612/1632)

(MENU → 6. Report → 1. X1 Report /3. X2 Report → 2. PLU Report)

Press “2” key on X1/X2 Report menu screen.
Enter PLU range to check.

2



Enter PLU range to check.

1 PRINT 1 PRINT 1 0

EX) dept 1, plu 1 ~ 10



PLU sales report is shown on the display by
pressing “PRINT” key.

PRINT



To print report, press “TEST” key.

PAY
TEST



To exit this menu, press the “ESC” key.

X
ESC



Note: PLU with no sales is not printed.

► Sample - PLU Report

```
XI SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:00000, End No:99999
=====
DEPT #01 Default
-----
PLU #00001 APPLE
TRANSACTION COUNT      84
WEIGHT                 74,828 kg
QUANTITY               0
PRICE                  $ 681,79
TAX PRICE              $ 67,39
PLU #00002 BANANA
TRANSACTION COUNT      96
WEIGHT                 0,000 kg
QUANTITY               98
PRICE                  $ 1994,00
TAX PRICE              $ 196,00
PLU #00003 ORANGE
TRANSACTION COUNT      61
WEIGHT                 0,000 kg
QUANTITY               62
PRICE                  $ 1994,00
TAX PRICE              $ 196,00
. . .
-----
=====
```

2.15.6 X1/X2 Miscellaneous PLU Report (Menu code 1613/1633)

(MENU → 6. Report → 1. X1 Report /3. Report → 3. MISC. PLU)

Press “3” key on X1/X2 Report menu screen.



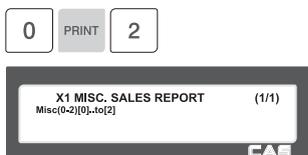
Enter the number to check.

0 : Miscellaneous by-Weight

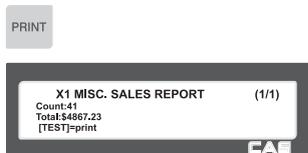
1 : Miscellaneous Non- Weight

2 : Miscellaneous by- count

Ex) Misc. by-weight, Misc. Non- Weight, Misc. by- count



Sales report is shown on the display by pressing “PRINT” key.



To print report, press “TEST” key.



To exit this menu, press the “ESC” key.



Note: Misc. PLU with no sales is not printed.

► Sample - Miscellaneous Report

XI SCALE REPORT	
AUG-23-04(MON) 09:46:36 AM	
Last Reset	
AUG-16-04(MON) 03:33:14 PM	
Start No:0, End No:2	
=====	

PLU # Misc By Weight	
TRANSACTION COUNT	84
WEIGHT	74,828 kg
QUANTITY	0
PRICE	\$ 681,79
TAX PRICE	\$ 67,39
PLU # Misc Non Weight	
TRANSACTION COUNT	96
WEIGHT	0,000 kg
QUANTITY	98
PRICE	\$ 1994,00
TAX PRICE	\$ 196,00
PLU # Misc By Count	
TRANSACTION COUNT	61
WEIGHT	0,000 kg
QUANTITY	98
PRICE	\$ 1994,00
TAX PRICE	\$ 196,00

=====	

2.15.7 X1/X2 Group Report (Menu code 1614/1634)

(MENU → 6. Report → 1. X1 Report /X2. Report → 4. Group)

Press “4” key on X1/X2 Report menu screen.

4



Enter group range to check.
If you did not set a group number in a PLU when programming the PLU it will be included in Group 0.

1 PRINT 2 3



Ex) Group 0 ~ Group 23

You can see group sales data by pressing “PRINT” key.

PRINT



To print report, press the “TEST” key.

PAY
TEST



To exit this menu, press “ESC” key.

×
ESC



Note: If the setting of MENU 1872 (Print All Report within Range) is set to NO, then Groups within the range with no sales data are not printed. If set to YES, then all

Groups within the range will print regardless of no sales data.

► Sample - PLU Report

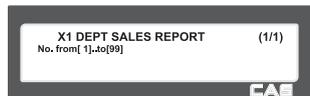
```
=====
X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:00, End No:99
=====
GROUP #00 NO Assigned PLU Group
-----
TOTAL COUNT          276
TOTAL PRICE          $5993,70
PREPACK COUNT         1
PREPACK PRICE        $ 3,05
-----
GROUP #01 Vegetable
-----
TOTAL COUNT          276
TOTAL PRICE          $5993,70
PREPACK COUNT         1
PREPACK PRICE        $ 3,05
-----
GROUP #02 Fruit
-----
TOTAL COUNT          276
TOTAL PRICE          $5993,70
PREPACK COUNT         1
PREPACK PRICE        $ 3,05
-----
. . .
=====
```

2.15.8 X1/X2 Department Sales Report (Menu code 1615/1635)

(MENU → 6. Report → 1. X1 Report /3.X2 Report → 5. Department)

Press “5” key on X1/X2 Report menu screen.

5



Enter department range to check.

EX) dept 1 ~ dept 10



You can see department sales data by pressing "PRINT" key.



To print report, press the "TEST" key.



To exit this menu, press "ESC" key.



Note: If the setting of MENU 1872 (Print All Report within Range) is set to NO, then Departments within the range with no sales data are not printed. If set to YES, then all Departments within the range will print regardless of no sales data.

► Sample - Department Report

```

X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:01, End No:99
=====
DEPT #01 Default
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT         1
PREPACK PRICE        $ 3.05
RETURN COUNT         0
RETURN PRICE         $ 0.00
-----
DEPT #02 MEET
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT         1
PREPACK PRICE        $ 3.05
RETURN COUNT         0
RETURN PRICE         $ 0.00
-----
DEPT #03 FISH
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT         1
PREPACK PRICE        $ 3.05
RETURN COUNT         0
RETURN PRICE         $ 0.00
-----
. . .
=====
    
```

2.15.9 X1/X2 Hourly Sales Report (Menu code 1616/1636)

(MENU → 6. Report → 1. X1 Report /3.X2 Report → 6. Hourly)

Press “6” key on X1/X2 Report menu screen.

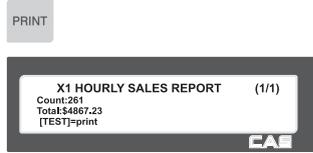


Enter time to check.



EX) AM 9 hour ~ PM 2 hour

You can see hourly sales data by pressing “PRINT” key.



To print report, press “TEST” key.



To exit this menu, press “ESC” key



Note: If the setting of MENU 1872 (Print All Report within Range) is set to NO, then Hours within the range with no sales data are not printed. If set to YES, then all Hours within the range will print regardless of no sales data.

► Sample - hourly Report

```

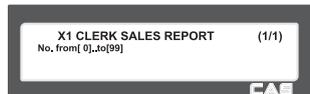
X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:00, End No:23
=====
HOUR #10
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT        1
PREPACK PRICE        $ 3.05
-----
HOUR #11
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT        1
PREPACK PRICE        $ 3.05
-----
HOUR #13
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT        1
PREPACK PRICE        $ 3.05
-----
...
=====
    
```

2.15.10 X1/X2 Clerk Sales Report (Menu code 1617/1637)

(MENU → 6. Report → 1. X1 Report /3.X2 Report → 7. Clerk)

Press “7” key on X1/X2 Report menu screen.

7



Enter clerk range to check.

0 PRINT 9 9

EX) clerk 0 ~ clerk 95



You can see hourly sales data by pressing “PRINT” key.



To print report, press “TEST” key.



To exit this menu, press “ESC” key



Note: If the setting of MENU 1872 (Print All Report within Range) is set to NO, then Clerks within the range with no sales data are not printed. If set to YES, then all Clerks within the range will print regardless of no sales data.

► Sample - Clerk Report

```

X1 SCALE REPORT
X1 CLERK REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:00, End No:99
=====
CLERK #00 MANAGER
-----
TOTAL COUNT                267
TOTAL PRICE                 $ 5693.70
VOID COUNT                  3
VOID PRICE                  $ 27.30
REPACK COUNT                0
REPACK PRICE                $ 0.00
OVERRIDE COUNT              0
OVERRIDE PRICE              $ 0.00
DISCOUNT COUNT            0
DISCOUNT PRICE            $ 0.00
PREPACK COUNT               1
PREPACK PRICE               $ 3.05
RETURN COUNT                0
RETURN PRICE                $ 0.00
NEGATIVE COUNT              0
NEGATIVE PRICE              $ 0.00
NO SALE OPEN COUNT          0
PAY SUMMARY
CASH                        26      $ 1242.70
PIN/CHIP                     2      $  12.50
CHECK                         2      $  82.00
CREDIT CARD                   5      $  84.40
CREDIT NOTE                    2      $  61.00
COUPON                         3      $  17.00
BONUS POINT                    0      $   0.00
CREDIT SALES                   3      $  60.00
CHANGE                        17     $ 287.46
-----
CLERK #01 CLERK
-----
TOTAL COUNT                267
TOTAL PRICE                 $ 5693.70
...
-----
CLERK #02 AHN
-----
TOTAL COUNT                267
TOTAL PRICE                 $ 5693.70
...
=====

```

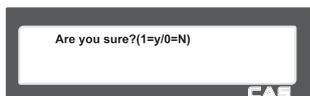
2.15.11 Z1/Z2 Report (Menu code 1620/1640)

(MENU → 6. Report → 2. Z1 Report / 4. Z2 Report)

If you select menu code 1620, you will see following screen.



If you want to print and clear the data, press TEST key. The scale shows following screen.



To print and clear, press “1” key. The scale shows following screen.



When printing is done, Z1 data is cleared and you return to the main Report Menu.

Sales data is same with X1 report



Note1: If the setting of Parameter 598 (Print when Z Report clear) is set to NO, the Z Report will not print out but the totals will be cleared.

Note 2: If the setting of Parameter 595 (Individual clear Z report) is YES then you will be able to clear Scale, PLU, Misc. PLU, Group Department, Hourly and Clerk sales data separately.

Caution: Using this function may cause reports to vary with the scale report.

2.15.12 Clear All Report (Menu code 1650)

(MENU → 6. Report → 5. Clear All)

The Clear All Reports Menu is used to simply clear all Sales Data. It does not print out any report, it simply clears all Sales Data from memory



To clear all report, press the 1 key.
If you do not wish to clear all reports
press the 0 or X/ESC key.



3. SALES OPERATION

3.1 Basic Operation

This chapter explains some of the basic operations of the CL5000 with regards to entering a Tare Weight, Calling up a PLU, etc. Please keep in mind that some of the basic operations will vary depending upon how the scale has been programmed.

- Turn ON the scale.



3.2 Zero

You can use the ZERO key to correct for a deviation from zero as long as there are no PLUs or MISC PLUs called-up. The weight can sometimes drift from zero due to debris on the platter, leaving objects on the platter for excessive periods of time, or other environmental factors. To correct this, remove everything from the platter and press the ZERO key when the stable indicator “▼” is on. Below is a possible zero drifted state that should be corrected by simply pressing the ZERO key.

- ① EX) Initial weight displayed => 0.002.



- ② Press “ZERO” key to set initial zero.



3.3 Tare

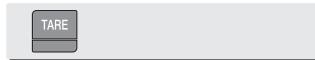
You can enter tare weights as long as there are no PLUs or MISC PLUs called-up. If you need to temporarily override a PLU's tare weight, you must enter the tare weight first and then call-up that PLU. There are two ways to enter a tare weight and both ways will only work if there is no PLU or MISC PLU called-up.

3.3.1 Manual Tare Entry 1

- ① Enter a tare weight manually by pressing the numeric keys EX) 150 g



- ② Press "TARE" key.

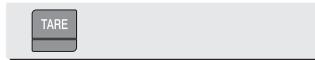


3.3.2 Weighed Tare Entry

- ① Place the empty container on the platter making sure that the weight is stable EX) 0.15 kg



- ② Press "TARE" key.



3.3.3 How to Clear Tare

- ① Remove the item from the platter

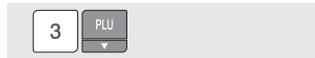


- ② Press "TARE" key again.



3.3.4 Preset Tare

- ① Call up a PLU including tare (weight of container).
EX) PLU #3 s tare =150 g



- ② Clear PLU#3, then tare is also automatically cleared.

3.3.5 Successive Tare

- ① Enter tare (weight of container) using numeric keys.
EX) 150 g



- ② Enter the weight of container using numeric keys.

EX) 200 g



- ③ Press “TARE key after removing item and container from the platter.

Note: Parameter 605 “Accumulation Tare” and parameter 606 “Subtraction Tare” must be set.

3.3.6 Tare Override

- ① Call up a PLU including tare (weight of container).

EX) PLU #3 s tare = 100 g



- ② Place the container (Tare Weight of new container must be greater than recalled Tare Weight.) for TARE OVERRIDE.



- ③ Pressing “TARE” key overrides current PLU tare (weight of container) and the weight becomes “0”.

Note: Parameter “603 PLU Tare Override” must be set.

3.4 Calling Up a PLU

There are two ways to call up a PLU by using numeric key and preset key. (speed key)

3.4.1 Using Numeric Key

- ① Enter PLU number by using numeric keys and press "PLU" key.
EX) PLU No. 15



Note: Even if the operator does not press the PLU Key after entering a PLU Number, the PLU will still be displayed depending on the setting time in Parameter 586 (Indirect PLU Call Time). If the setting time is set to 0 the operator must press the PLU Key to recall the PLU.

3.4.2 Using Speed Key

To use a Speed Key to call up a PLU, the PLU must already be assigned to that Speed Key. To call up a PLU using a Speed Key simply press the appropriate Speed Key that is attached to the PLU you want to recall.

Note: Speed Keys must be programmed using Menu 1160 (Chapter 2.6)

- ① Press a speed key (which is save as a PLU).
EX) PLU #79=Apple, Speed key #5



3.5 Override (FOR key)

The OVERRIDE Key is normally used to temporarily change the unit price of a PLU. It can also be used to change quantity pricing of a By Count type PLU or permanently change the unit price of a PLU.

Note: If Menu 1873 (Save Unit Price Change) is set Y then any price change made will become permanent after printing a label.

3.5.1 By-Weight PLU

- PLU# 1.MEAT (PLU Type : By weight, Unit Price : 1.99\$).

① Press OVERRIDE key.



② Enter new unit price.



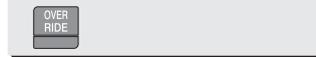
③ Press PRINT key to print label.



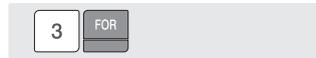
3.5.2 Non-Weight PLU

- PLU# 2.APPLE (PLU Type : Non-Weight, Unit Price : 1.00\$).

① Press OVERRIDE key.



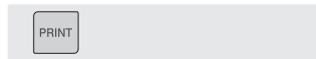
② Enter QUANTITY and press FOR key.



③ Enter new unit price.



④ Enter QUANTITY and press FOR key.



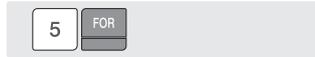
3.5.3 By-Count PLU

- PLU# 3.Eggs (PLU Type : By-Count, Pieces : 3, Unit Price : 30.00\$).

① Press OVERRIDE key.



② Enter QUANTITY and press FOR key.



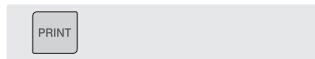
③ Enter PIECES and press FOR key



④ Enter new unit price.



⑤ Press PRINT key to print label.



Note: If Menu 1873 (Save Unit Price Change) is set Y then any price change made will become permanent after printing a label.
Discount function is not available when you use OVERRIDE.

3.6 Sales Operation

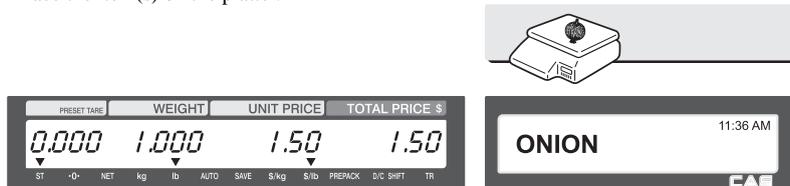
3.6.1 Weighed Item Operation

To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

Ex.) PLU No.: 29 Press 29 PLU or
Press Speed Key



Place the item(s) on the platter.

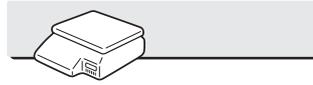


Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.

Note: If scale is in Auto or PrePack mode the label will automatically be issued.



Remove the item(s) from the platter.



* Total Price= Sales weight X Unit price

Note: In SAVE or PrePack mode the PLU is not automatically cleared when you remove the item from the platter."

If you set "PLU Clr Aft Sale (WT. On Tray)" to Y in Menu 1873 (Chapter 2.14.21) the PLU will be cleared after the label is issued even though the item is still on the platter.

3.6.2 By Count Item

To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

Ex.) PLU No.: 31 Press 31 PLU or Press Speed Key



Enter the number of pieces.
EX) 20 pieces.



Press “PRINT” key to print a label and complete current transaction. This transaction(s) is saved in the sales record.



* Total Price= Piece(s) X Unit price

Note: - In SAVE and Prepack Mode, the PLU called up is not automatically cleared after issuing a label.

3.6.3 By Count Item

To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

Ex.) PLU No.: 30 Press 30 PLU or Press Speed Key



Enter QUANTITY [the number of Pieces].
EX) 20 pieces.



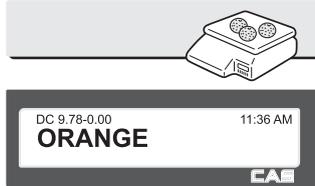
Press “PRINT” key to print a label and complete current transaction. This transaction(s) is saved in the sales record.



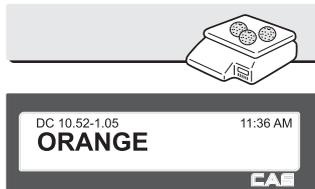
* Total Price= QUANTITY X [Unit price / PIECES]

Note: - Note: In SAVE and Prepack Mode, the PLU called up is not automatically cleared after issuing a label.

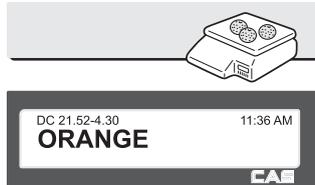
Place an item on the platter. In this example the Discount (10% off of Unit Price) is not available because the weight of the item (.48 lbs.) is lower than the 1st Discount Target (.5 lbs)



Place an item on the platter. In this example the Discount (10% off of Unit Price = - \$2.00) is available because the weight of the item (.52 lbs.) is greater than the 1st Discount Target (.5 lbs)



Place items on the platter. In this example the Discount (20% off of Unit Price = - \$4.00) is available because the weight of the item (1.07 lbs.) is greater than the 2nd Discount Target (1.00 lbs)



Press the PRINT Key. The Discount is shown by the markdown (strikethrough) of the Unit Price on the label. Refer to figure.



3.7.3 Unit Price Discount - By Count PLU

To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

Ex.) PLU No.: 30 Press 30 PLU or Press Speed Key

- 1st Target of Discount: Discount amount from Unit Price = \$0.20 for sales \geq 5 pieces.
- 2nd Target of Discount : Discount amount from unit price = \$0.50 for sales \geq 10 pieces.



Enter the Quantity. In this example the Discount (Unit Price - \$0.20) is available because the quantity of the item (5 pieces) is equal to the 1st Discount Target (5 pieces).



Enter the Quantity. In this example the Discount (Unit Price - \$0.50) is available because the quantity of the item (11 pieces) is greater than the 2nd Discount Target (10 pieces).



Press the PRINT Key. The Discount is shown by the markdown (strikethrough) of the Unit Price on the label. Refer to figure.



Note: - You can select whether to print both the Original and Discounted Information using Menu 1720 (chapter 2.13.3)

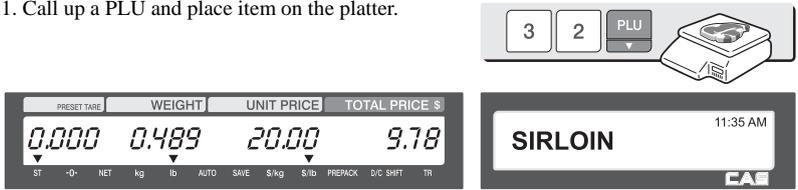
If you set Display Discount Info to a Y in Menu 1871 (chapter 2.14.21) you will be able to see Total Price and Discount Information in the Display.

3.8 Add-Up Transaction

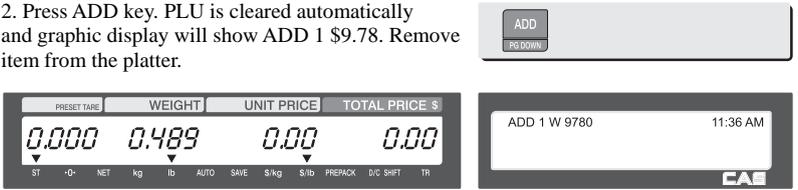
The CL5000 Add Up Mode allows the scale to operate in cash register like manner. By using the ADD, ST/TTL and VOID keys transactions can be accumulated and voided with a total label issued for all entries. To initiate the Add Up process you simply press the ADD/PG DOWN key instead of the PRINT key in the normal label issue process. You can Add Up a maximum of 399 transactions.

Ex.) PLU 32 Sirloin By Weight Type Unit Price = \$20.00/lb.
 PLU 35 T-Bone By Count Type Unit Price = 3 for 6.00

1. Call up a PLU and place item on the platter.

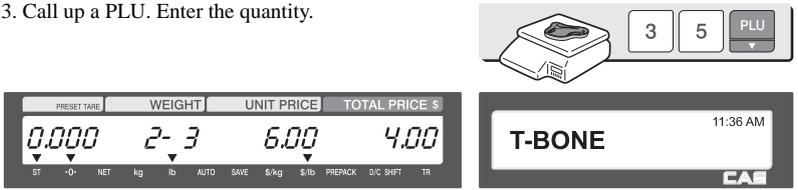


2. Press ADD key. PLU is cleared automatically and graphic display will show ADD 1 \$9.78. Remove item from the platter.



Note: - If Menu 1750 (chapter 2.13.3) Print Item Label is set to Y, then a label will be printed every time you press the ADD key.

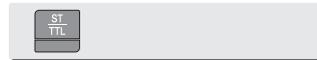
3. Call up a PLU. Enter the quantity.



4. Press ADD key. PLU is cleared automatically.
Display will show ADD 2 \$13.78.



5. You can repeat the Add Up process up to 399 times. To finalize the Add Up process press the ST/TTL key. The Total information will be displayed.



- Note:** - You can display the running Grand Total at any time during the Add Up process by pressing the ST/TTL key. To return to the Add Up process press the ESC/X key.

6. To complete the Add Up process press the PRINT key. A Total label will be issued showing the Total Item Count, Void Count and the Total Price.



- Note:** - You can press the VOID key to cancel a transaction (chapter 3.10).

- The total price information for an Add Up transaction will not be erased if the scale is accidentally turned off prior to issuing a grand total label.

3.9 Clerk Operation

There are three clerk modes as below.

► Clerk Modes

No	Clerk Modes	Description
1	No Clerk	Sales clerk does not log in and makes sales using "PRINT" key.
2	Standard Clerk	Generating a standard clerk transaction is the same as any sales mode transaction except that you do NOT press the PRINT key; instead you must press one of the V(Clerk-Speed) keys (1 through 4) You can print total price label depending on the setting.
3	Floating Clerk	Generating a standard clerk transaction is the same as any sales mode transaction except that you do NOT press the PRINT key; instead you must press one of the V(Clerk-Speed) keys (1 through 4) You can print total price label depending on the setting. Sales data is added automatically.

☞ To register clerk, refer to menu code 1850 of program mode. (See chapter 2.14.6)

Assumption

- Clerk should be registered on menu 1850. (See chapter 2.14.6)
- Clerk number should be set on menu 1856 to use "V1, V2, V3, and V4" keys (See chapter 2.14.12) If the clerk is not assigned to V1~V4, this clerk has to enter password after pressing V key.
- All clerks can use "V" key.
- * Up to 100 transactions are available in Clerk mode
- * Sales data is saved in memory.
- * If you press PRINT key to complete transaction, grand total price is printed and sales data is cleared from memory.
- * If you want to see total price before completing transaction, press the ST/TTL key. To print, press the PRINT key.
- * Even though you turn off the scale before printing, sales data is not cleared.
- * If you want to print ticket when you log out, press V1, V2, V3 or V4 to log on and press the PRINT key. You can also check total price by pressing ST/TTL key after log on.

Note: - You have to set Clerk log out time in menu 1874 of program mode.
 (See chapter 2.14.21) If you do not call a PLU and do not operate the scale, time is computed. To set 30 seconds for logout time, enter 300. If you do not want to log out, enter 0.

- When there is no PLU, you can print ticket again by pressing X key (It depends on the setting of parameter 599, Print last ticket)

3.9.1 Standard Clerk Operation

Assumption

- You have to set "Select Clerk Sale mode" to "2" (Standard Clerk) in menu 1820 of program mode. (See chapter 2.14.3)

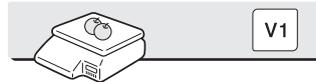
EXAMPLE 2:

Clerk No: 2, Clerk Name: Christine, Clerk Key: V1
 PLU#1=Apple, Unit Price 10.00, Weight, 1.2 kg
 PLU#2=Orange, Unit Price 20.00, Weight, 1.2 kg

① Call up a PLU.



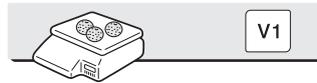
② Place an item and press V1 key. You will get a label automatically.



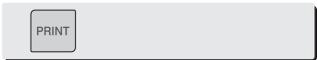
③ Call up a PLU.



- ④ Place an item and press V1 key. You will get a label automatically.



- ⑤ Press the PRINT key to complete transaction. If you are in ADD-UP mode, you can have label for grand total price.



Note: - If you are in ADD-UP mode, you can have label for grand total price by pressing PRINT key. When you turn on the scale, this function is not active so you have to press ADD key.

3.9.2 Floating Clerk Operations

Assumption

- You have to set Select Clerk Sale mode to 3 (Floating Clerk) in menu 1820 of program mode. (See chapter 2.14.3)

EXAMPLE :

Clerk No: 2, Clerk Name: Christine, Clerk Key: V1

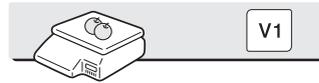
PLU#1=Apple, Unit Price 10.00.

PLU#2=Orange, Unit Price 20.00 10 pieces.

- ① Call up a PLU.



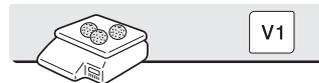
- ② Place an item on the platter and press the V1 key.
This transaction is save to memory.



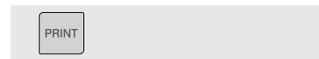
- ③ Call up a PLU #2.



- ④ Place an item on the platter and press the V1 key.
This transaction is saved to memory.



- ⑤ Press the PRINT key to complete transaction.
Grand total price label is printed and sales data is cleared in memory.



Note: - Print mode of floating clerk operation is ticket type as default. If you want to use label type, you have to change setting in menu 1731 of program mode. (See chapter 2.13.5)
- You can set ticket item in menu 1761 of program mode. (See chapter 2.13.15)

3.10 Void

The VOID key is used to eliminate transactions performed during Add Up or Floating Clerk operations.

Note: The operator must have a permission level that allows them to access the VOID function.

EX) Several different items have been sold

Condition 1: No PLU is called up or Total Price is zero.

1. Press the VOID key. You will see this display.



2. To void 1. ORANGE, enter 1 and press the PRINT key. The display should show "void" beside number 1.



3. To void other items simply enter the appropriate number and press the PRINT key. To finish, press the ESC/X key.

Note: You can use the PG UP and PG DOWN or the Arrow Keys to navigate up and down the list.

Condition 2: Voiding a registered PLU with the same price.

1. Place item on platter. Enter the PLU No. and press the PRINT key.



2. Press VOID key. If registered PLU with same price exists the item will be voided.

Note: If registered PLU with same price does not exist then the VOID list screen will be shown automatically.



3.11 Payment & Change

The PAY function can be used during Add Up transactions and also when using Floating Clerk operations.

► Payment Table

No	Type
0	Cash
1	Pin/chip
2	Check
3	Credit card
4	Credit note
5	Coupon
6	Bonus point
7	Credit

EX) Total Price for Sale is \$15.00

Customer pays with \$6.00 Coupon and \$10.00 Cash.

1. Press PAY key when transaction is completed. Display will show the Sub Total Price and Payment Method.



2. Select Payment Type 5 (Coupon) and press the PRINT key.

Note: See Payment Table above.

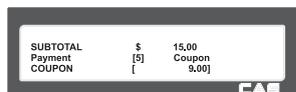


3. Enter Coupon value \$6.00.

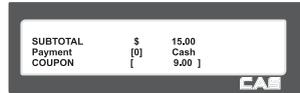
Note: You do not have to enter the "\$" or "." when entering the dollar value.



4. Press PRINT key. Now you can select Payment Type again.



5. Select Payment Type 0 (Cash) and press PRINT key.

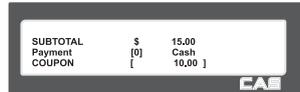


SUBTOTAL	\$	15,00
Payment	[0]	Cash
COUPON	[9,00]

CAS

6. Enter Cash value \$10.00.

Note: You do not have to enter the "\$" or "." when entering the dollar value.



SUBTOTAL	\$	15,00
Payment	[0]	Cash
COUPON	[10,00]

CAS

7. Press PRINT key. Label is issued showing the Total Price, Amount Received and Change Due.

Note: You can set the Print Items in Menu 1760 (chapter 2.13.14).



SUBTOTAL	\$	15,00
RECEIVE	\$	16,00
CHANGE	\$	1,00

CAS

3.12 Return

The RETURN key is used to delete erroneous sale transactions. You can use the RETURN key to undo erroneous sales transactions like pressing the PRINT key inadvertently, selecting and printing the wrong PLU, an inadvertent Auto-Print in Pre-Pack mode, or perhaps adjusting the sales totals for a damaged or ruined package. Whatever the reason, the RETURN function will decrement returned PLU s transaction counter and sales totals by the specified amount.

You need to call-up the PLU that you wish to return by either pressing its corresponding speed key or typing its number.

◆ When the price is zero,

0) By weight PLU : You need to enter the total price and weight that was printed on the return PLU s label

1) By count PLU: You need to enter the total price and quantity that was printed on the return PLU s label

◆ When the price is higher than zero,

Return function is performed by pressing RETURN key

Note: - If you set Shift key instead return key to “Y” in menu 1873 of program mode, you cannot use return function. (See chapter 2.14.21)

- If parameter 596 X/Z Report is not set, this function will not operated.

3.13 Prepack Key

Pre-Pack Mode is very useful for back room applications. It provides a method of increasing productivity by not requiring the operator to press the PRINT key for every package. Instead the operator can concentrate on weighing, wrapping and labeling.

In Pre-Pack mode you can not select the Auto Mode, however the label will always issue automatically. Pre-Pack Mode functions like Auto and Save Mode combined, the PLU does not clear when the item is removed from the platter and the label is automatically issued after the weight becomes stable.

To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

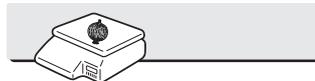
EX) Calling up a PLU using a Speed Key.

Speed Key #1 = Onion Unit Price = \$1.50

1. Press PREPACK key and then Speed Key to call up PLU." Replace Figure showing Key "A" with one labeled ONION.



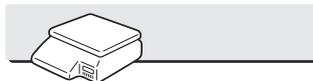
2. Place the item(s) on the platter.



3. Label is issued automatically.



4. Remove the item(s) from the platter.



Note: - If the scale is in Prepack mode then it will always auto-print if the Total price is greater than 0.00 and:

1. The weight deviates by an amount greater than or equal to the Parameter 862 setting (Min. weight for sale) and the weight stabilizes at a weight greater than zero.
2. The weight deviates by an amount greater than or equal to the Parameter 861 setting (Auto threshold) and the weight stabilizes at a weight greater than zero.

3.14 X Key

The X key or Multi Label Function key is used to print multiple transactions for the same item.

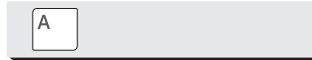
3.14.1 By-Weight PLU

Note: If you want to use X key for by-weight PLU, you must set Parameter 582, Use "X" key (by WT.).

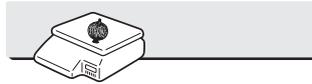
To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

EX)

- Calling up a PLU using a Speed Key.
Speed Key #1 = Onion Unit Price = \$1.50



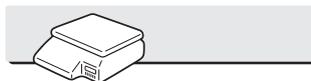
- Place the item(s) on the platter.



- Press the X key then enter the number of labels you want and press the PRINT key.
The labels will issue in succession



4. Remove the item(s) from the platter.



Note 1: If you set "Label Prt. w.o. Rewind (X key)" to Y in Menu 1872 (chapter 2.14.21) the scale will not use the peel-off sensor. This means that when you issue the labels the backing paper will not be rewound. You will have to press the FEED key when you are finished to take up the backing paper.

3.14.2 Non-Weight / By-Count PLU

You can use the X key or Multit-Label function for Non-Weight or By-Count type PLU's without any special programming. The procedures for using the X key for these types of PLU's is the same as the By-Weight PLU's.

3.15 How to Change Sell By Date/Time

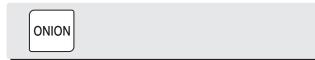
This function is used to change the Sell By Date and the Sell By Time for a programmed PLU.

Note: To use the Change Sell By Date or Time function you must program the EDIT SELL key using Menu 1880 (chapter 2.14.22).

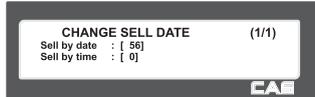
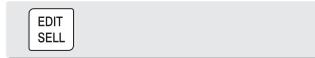
To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

Ex. Calling up a PLU using a Speed Key.
Speed Key #1 = Onion, Unit Price = \$1.50

1. Press Speed Key

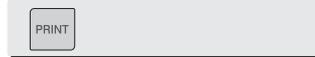


2. Press the EDIT SELL key.
Enter the new Sell By Date and Sell By Time.



3. Press PRINT key to complete saving.

Note: The new Sell By Date and Sell By Time will become permanent changes after pressing the PRINT key.



3.16 How to Change Origin

This function is used to change the Country of Origin that is programmed in a PLU.

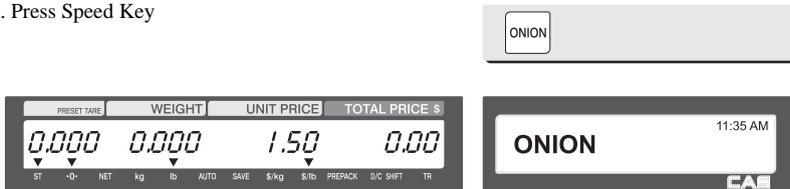
Note: To use the CHANGE ORIGIN function you must program the CHANGE ORIGIN key using Menu 1880 (chapter 2.14.22).

To call up a PLU enter the PLU Number and press the PLU Key. You may also call up a PLU by using the Speed Keys. (refer to chapter 3.4)

Ex. Calling up a PLU using a Speed Key.

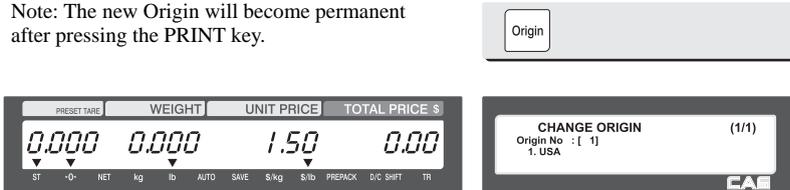
Speed Key #1 = Onion, Unit Price = \$1.50

1. Press Speed Key

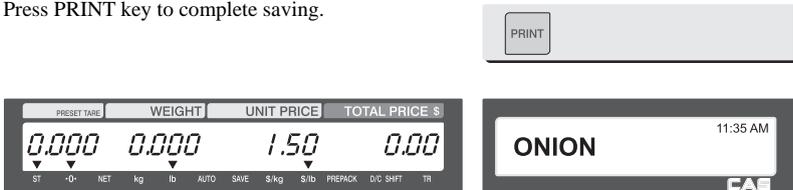


2. Press ORIGIN key. Enter new Origin number.
Press PRINT key to complete saving.

Note: The new Origin will become permanent after pressing the PRINT key.



3. Press PRINT key to complete saving.



3.17 How to Change PLU Type

Note: If you set “Save Type change” to “Y” in menu 1873 of program mode, changed PLU type is saved. (See chapter 2.14.21)

- ① Press “WT/CT” key to change PLU type from By-weight to By-count PLU or vice versa.



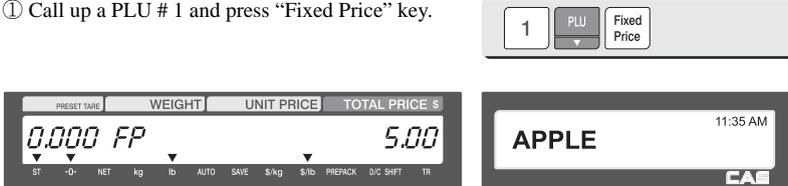
- ☞ If you change by-Weight PLU to by-count PLU, quantity is set 1 and unit price is same.
- ☞ If you change by-count PLU to by-weight PLU, unit price is same.
- ☞ If there is discount information on PLU, you can not change PLU type.

3.18 Direct Discount

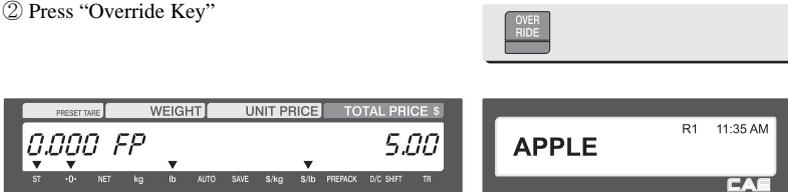
If there is no discount information in PLU, you can use this function.

3.18.1 Fixed Price Key

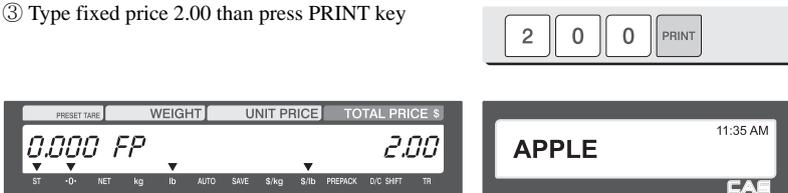
① Call up a PLU # 1 and press “Fixed Price” key.



② Press “Override Key”



③ Type fixed price 2.00 than press PRINT key



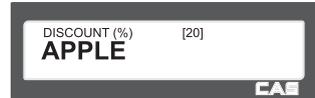
Note: - To use Fixed Price Key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

3.18.2 % Discount Price Key

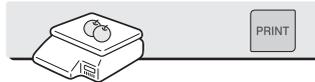
- ① Call up a PLU(#1.APPLE) and press “%Discount” key



- ② Enter % amount to discount and press PRINT key
Ex) 20%



- ③ Place item on the platter and press PRINT key.



Note: - To use % DISCOUNT key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

3.19 PLU Connection

3.19.1 Referenced PLU Function

If you press REFERENCE key after calling up a PLU which has reference information, reference will be shown on the display.

- ◆ To use this function, you have to set reference department and reference PLU when you create PLU.

3.19.2 Coupled PLU Function

Automatically coupled PLU is called up after transaction.
You can use this function when you sell two or more items as package.

- ◆ To use this function, you have to set reference department and reference PLU when you create PLU.

3.20 Sales Operation Control Parameters

3.20.1 Fixed Weight

- You can set fixed weight when you create PLU
If you call up this PLU, the weight is not changed.
- You can use IN WEIGHT key.
Call up a PLU and enter a fixed weight by using OVERRIDE key and press IN WEIGHT key.

3.20.2 Prepack Without Report

The transaction data is not added to report while using prepack mode.

- You have to set Parameter 597(Prepack report) to use this function. Also, Parameter 596 should be set to Y

4. Appendix

4.1 Label Format

There are fixed label format and user label format

	Fixed Label Format	User Label Format
No.	1~50	51~99
Quantity	45	20
Method	Built in CL5000	Download from PC
Features	You cannot edit format.	Using the PC program, you can program format numbers 51 to 99. In ticket mode, it is available to use Head/Tail format,

► Fixed Label Format

No	Name	Width(mm)	Length(mm)	No	Name	Width(mm)	Length(mm)
1	IS6030-00001	60	30	17	IS5653-00017	56	53
2	IS6030-00002	60	30	18	IS5054-00018	50	54
3	IS6030-00003	60	30	19	IS5054-00019	50	54
4	IS5635-00004	56	35	20	IS6051-00020	60	51
5	IS5635-00005	56	35	21	IS6051-00021	60	51
6	IS5635-00006	56	35	22	IS6060-00022	60	60
7	IS6040-00007	60	40	23	IS6060-00023	60	60
8	IS6040-00008	60	40	24	IS5068-00024	50	68
9	IS6040-00009	60	40	25	IS5068-00025	50	68
10	IS6040-00010	60	40	26	IS5068-00026	50	68
11	IS6040-00011	60	40	27	IS6063-00027	60	63
12	IS6040-00012	60	40	28	IS6063-00028	60	63
13	IS5040-00013	50	40	29	IC6040-00029	60	40
14	IS5040-00014	50	40	30	IC6040-00030	60	40
15	IS5040-00015	50	40	31	IS6040-KR001	60	40
16	IS5653-00016	56	53	32	IS6030-KR002	60	30

No	Name	Width(mm)	Length(mm)	No	Name	Width(mm)	Length(mm)
33	IS6032-KR003	60	32	40	IS6040-KR010	60	40
34	IS6060-KR004	60	60	41	IS6040-KR011	60	40
35	IS6032-KR005	60	32	42	IS6045-KR012	60	45
36	IS6042-KR006	60	42	43	IS6044-KR013	60	44
37	IS6045-KR007	60	45	44	IS6055-KR014	60	55
38	IS6050-KR008	60	50	45	IS6060-KR015	60	60
39	IS6045-KR009	60	45				

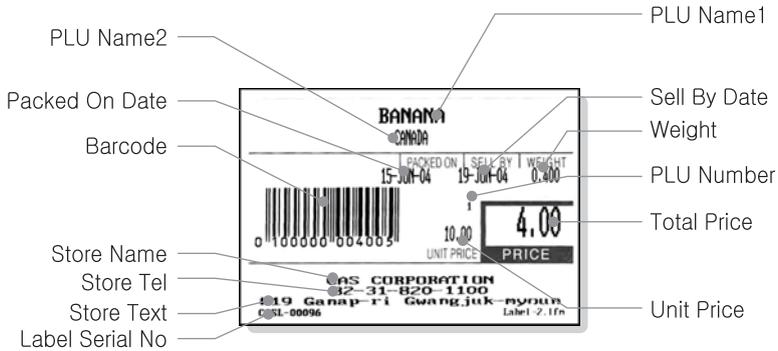
<p style="text-align: center;">1</p>	<p style="text-align: center;">2</p>	<p style="text-align: center;">3</p>
<p style="text-align: center;">4</p>	<p style="text-align: center;">5</p>	<p style="text-align: center;">6</p>
<p style="text-align: center;">7</p>	<p style="text-align: center;">8</p>	<p style="text-align: center;">9</p>
<p style="text-align: center;">10</p>	<p style="text-align: center;">11</p>	<p style="text-align: center;">12</p>

25	26	27
<p>SWEETENED CONDENSED</p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heat.</p> <p>PACKED ON 20.11.05 SELL BY 26.11.05 Tare/g: 0.100</p> <p>1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>SWEETENED CONDENSED <VERY SWEET and STICKY></p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heat.</p> <p>PACKED ON 20.11.05 SELL BY 26.11.05 Tare/g: 0.100</p> <p>1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heat.</p> <p>PACKED ON 20.11.05 SELL BY 26.11.05</p> <p>1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>
<p>SWEETENED CONDENSED MILK</p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heat.</p> <p>PACKED ON 20.11.05 SELL BY 26.11.05</p> <p>1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>TOTAL</p> <p>20.11.05 16:49 5</p> <p>200.96</p> <p>TOTAL PRICE 200.96</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p> <p>*Total Label</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heat.</p> <p>PACKED ON 20.11.05 SELL BY 26.11.05</p> <p>1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>
<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>PACKED ON 20.11.05 16:32 SELL BY 26.11.05 16:32</p> <p>32.00 1.216 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>16:32 16:32 32 38.91</p> <p>20.11.05 26.11.05 1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>UNW. PRICE 32.00 NET WT. 1.216</p> <p>20.11.05 16:32 26.11.05 16:32 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>
<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heat.</p> <p>PACKED ON 20.11.05 16:32 SELL BY 26.11.05 16:32</p> <p>1.216 32.00 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>SWEETENED CONDENSED MILK</p> <p>PACKED ON 20.11.05 SELL BY 26.11.05 UNW. PRICE 32.00 NET WT. 1.216</p> <p>16:32 35 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>PACKED ON 20.11.05 SELL BY 26.11.05 UNW. PRICE 32.00 NET WT. 1.216</p> <p>16:32 36 38.91</p> <p>NET WT. 1.216 PRICE/kg 32.00 TOTAL PRICE 38.91</p> <p>CAS CORPORATION #82-31-820-1100 #19 Group-F1 Gwangju-kyeup</p>

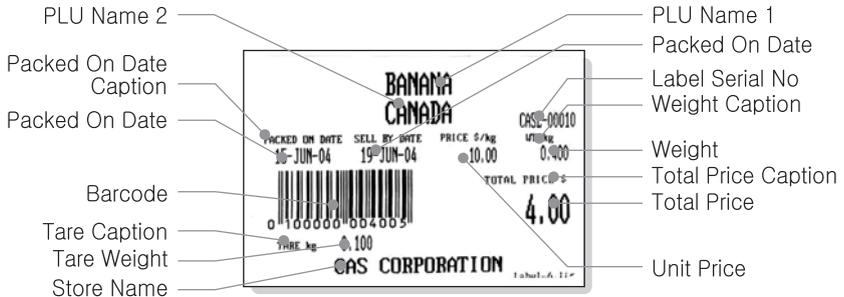
37	38	39
<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>UNIT PRICE 32.00 WEIGHT 38 1.216</p> <p>0 122044 036910 37</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>UNIT PRICE 32.00 WEIGHT 38 1.216</p> <p>0 122044 036910 38</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>UNIT PRICE 32.00 WEIGHT 39 1.216</p> <p>0 122044 036910 39</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>
40	41	42
<p>SWEETENED CONDENSED MILK Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the</p> <p>UNIT PRICE 32.00 WEIGHT 40 1.216</p> <p>0 122044 036910 40</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>	<p>SWEETENED CONDENSED MILK Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and</p> <p>UNIT PRICE 32.00 WEIGHT 41 1.216</p> <p>0 122044 036910 41</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>	<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the</p> <p>UNIT PRICE 32.00 WEIGHT 42 1.216</p> <p>0 122044 036910 42</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>
43	44	45
<p>SWEETENED CONDENSED MILK <VERY SWEET and STICKY></p> <p>Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the</p> <p>UNIT PRICE 32.00 WEIGHT 43 1.216</p> <p>0 122044 036910 43</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>	<p>SWEETENED CONDENSED MILK Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to.</p> <p>UNIT PRICE 32.00 WEIGHT 44 1.216</p> <p>0 122044 036910 44</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>	<p>SWEETENED CONDENSED MILK Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milk's volume. It is very sweet and sticky and adds a richness to the foods it is added to. It is used to make candies, bars, pies, and puddings. Seasonal condensed milk turns a milky color and takes</p> <p>UNIT PRICE 32.00 WEIGHT 45 1.216</p> <p>0 122044 036910 45</p> <p>20.11.05 16:32 26.11.05 16:32</p> <p>PACKED ON SELL BY TOTAL PRICE</p> <p>CAS CORPORATION +82-31-820-1100 #19 Gangjeon-ri, Gangjeon-myeon</p> <p>38.91</p>

4.2 Fixed Label Format Sample

► (1) Label sample 1



► (2) Label sample 2



4.3 Fixed Label Format Sample

Label Format has several fields and each field has own ID. Item label print the information of each PLU sale and Total label print the information of grand total of PLUs. Item Label field is separate from Total Label field. But the information of store and clerk is common item.

4.3.1 Item Label Field

► (1) Item Field

No	Item	Field ID	Description
1	Department Name	1	Print department name.
2	Department No	115	Print department number.
3	Group No	9	Print group number
4	PLU No	2	Print PLU number
5	PLU Name	10	Print PLU name1,2 and 3 in one field
6	PLU Name1	29	Print PLU name1,2 and 3. Depending on the setting of MENU 1862 "Print origin for comm. line" , Origin can be printed.
7	PLU Name2	30	
8	PLU Name3	31	
9	Item Code	11	Print item code
10	Prefix	3	Print prefix
11	Unit Weight	5	Print unit weight
12	Tax Rate	8	Print tax rate. It is printed with %.
13	Tax Price	111	Print tax price.
14	Tare Weight	13	Print tare weight.
15	Pieces	14	Print Piece for By-Pcs PLU
16	Qty Symbol	15	Print symbol of Quantity.
17	Sell By Date	16	Print sell by date.

No	Item	Field ID	Description
18	Sell By Time	17	Print sell by time. If sell by time is 0, it is not printed
19	Packed On Date	18	Print packed on date.
20	Packed On Time	19	Print packed on time
21	Produced Date	20	Print produced date. If produced date is 0, it is not printed
22	Cook By Date	22	Print cook by date. If cook by date is 0, it is not printed
23	Bonus Point	50	Print bonus point.
24	Origin	55	Print origin
25	Ingredient	25	Print ingredient
26	Sales Message	90	Print sales message
27	Reference Net Weight	100	Print net weight. In case of By-Count/By-Pcs PLU, net weight is printed when you print weight. In case of By-Weight PLU, net weight is printed when you use percent tare.
28	Reference Gross Weight	116	Print gross weight. In case of By-Weight PLU, gross weight is printed when you use percent tare.
29	Percent Tare	24	Print percent tare. It is printed with %.
30	Percent Tare Limit	23	Print percent tare limit. It is printed with %.
31	Weight	101	Print weight when it is not applied Markdown (By-Weight PLU)
32	Discount Weight	132	Print new weight when it is applied Markdown (By-Weight PLU)
33	Discount Weight (Mark Down)	108	Print previous weight when it is applied Markdown (By-Weight PLU)
34	Quantity	112	Print quantity when it is not applied Markdown (By-Count/By-Pcs PLU)
35	Discount Quantity	133	Print new quantity when it is applied Markdown (By-Count/By-Pcs PLU)

No	Item	Field ID	Description
36	Discount Quantity (Mark Down)	134	Print previous quantity when it is applied Markdown (By-Count/By-Pes PLU)
37	Unit Price	6	Print unit price when it is not applied Markdown
38	Discount Unit Price	113	Print new unit price when it is applied Markdown
39	Discount Unit Price (Mark Down)	109	Print previous unit price when it is applied Markdown,
40	Total Price	102	Print total price when it is not applied Markdown
41	Discount Total Price	114	Print new total price when it is applied Markdown
42	Discount Total Price (Mark Down)	110	Print previous total price when it is applied Markdown
43	Saved Price	131	Print saved price when it is discounted,
44	Label Serial	135	Print label serial number
45	Store Name	105	Print store name
46	Store Tel	138	Print Telephone numer of store
47	Store Text	139	Print information of store,
48	Clerk Number	128	Print clerk number
49	Clerk Name	106	Print clerk name
50	Customer Name	107	Print customer name
51	Customer Number	130	Print customer number
52	Scale Number	137	Print scale number
53	Day Of Week(Packed On)	117	Print Day Of Week(Packed On Date)
54	Currency Rate	119	Print Currency Rate
55	Second Currency Total Price	118	Print Second Currency Total Price
56	Second Currency Unit Price	120	Print Second Currency Unit Price

► (2) Caption Field

No	Item	Field ID	Description
1	(C)Total Price	170	Print the caption of total price
2	(C)Unit Price	171	Print the caption of unit price
3	(C)Weight	172	Print the caption of weight (Only By-Weight PLU)
4	(C)Tare	173	Print the caption of tare weight
5	(C)Saved Price	174	Print the caption of saved price
6	(C)Regular Price	175	Print the caption of regular price
7	(C)Tax Price	176	Print the caption of tax price
8	(C)Packed On Date	177	Print the caption of packed on date
9	(C)Sell By Date	178	Print the caption of Sell By Date/Time if it is existed,
10	(C)Cook By Date	179	Print the caption of Cook By Date, If the value is 0, it is not printed,
11	(C)Produced Date	180	Print the caption of Produced Date, If the value is 0, it is not printed,
12	(C)Packed On Time	181	Print the caption of Packed On Time
13	(C)Sell By Time	182	Print the caption of Sell By Time, If the value is 0, it is not printed,
14	(C)Quantity	183	Print the caption of quantity. (By-Count/By-Pcs PLU)
15	(C)Reference	184	Print the caption of Traceability Reference
16	(C)Born In	185	Print the caption of Born In Country
17	(C)Bred In	186	Print the caption of Bred In Country
18	(C)Slaughtered In	187	Print the caption of Slaughter House
19	(C)Cut In	188	Print the caption of Cutting Hall,
20	(C)Net Weight	189	Print the caption of Net Weight
21	(C)Gross Weight	193	Print the caption of Gross Weight
22	(C)Percent Tare	194	Print the caption of Percent Tare
23	(C)Percent Tare Limit	195	Print the caption of Percent Tare Limit
24	(C)Second Currency Total Price	198	Print the caption of second currency total price
25	(C)Second Currency Unit Price	199	Print the caption of second currency unit price

► (3) Traceability Field

No	Item	Field ID	Description
1	(T)Traceability No	35	Print Traceability Number
2	(T)Born in Country	36	Print Born In Country Name
3	(T)Bred in Country	37	Print Bred In Country Name
4	(T)Slaughter House	38	Print Slaughter House Name
5	(T)Slaughter Country	39	Print Slaughter House Country Name
6	(T)Cutting Hall	40	Print Cutting Hall Name
7	(T)Cutting Country	41	Print Cutting Hall Country Name
8	(T)Reference	42	Print Reference
9	(T)Born in Country No	43	Print Born In Country Number
10	(T)Bred in Country No	44	Print Bred In Country Number
11	(T)Slaughter House No	45	Slaughter House Number
12	(T)Cutting Hall No	46	Print Cutting Hall Number

► (4) Nutrition Facts Field

No	Item	Field ID	Description
1	(N)Serving Size	140	Print Serving Size
2	(N)Servings Per	141	Print Servings Per Container
3	(N)Calories	142	Print Calories
4	(N)Calories From Fat	143	Print Calories From Fat
5	(N)Total Fat	144	Print Total Fat
6	(N)Saturated Fat	145	Print Saturated Fat
7	(N)Cholesterol	146	Print Cholesterol
8	(N)Sodium	147	Print Sodium
9	(N)Total Carbohydrates	148	Print Total Carbohydrates
10	(N)Dietary Fibers	149	Print Dietary Fibers
11	(N)Sugars	150	Print Sugars
12	(N)Protein	151	Print Protein
13	(N)Vitamin A	152	Print Vitamin A
14	(N)Calcium	153	Print Calcium
15	(N)Vitamin C	154	Print Vitamin C
16	(N)Iron	155	Print Iron
17	(N)Total Fat DV	156	Print Daily Value of Total Fat
18	(N)Saturated Fat DV	157	Print Daily Value of Saturated Fat
19	(N)Cholesterol DV	158	Print Daily Value of Colesterol,
20	(N)Sodium DV	159	Print Daily Value of Sodium
21	(N)Total Carbohydrates DV	160	Print Daily Value of Total Carbohydrates
22	(N)Dietary Fibers DV	161	Print Daily Value of Dietary Fibers
23	(N)Protein DV	162	Print Daily Value of Protein

4.3.2 Total Label Field

► (1) Total Field

No	Item	Field ID	Description
1	(TOTAL)Total Price	201	Print total price
2	(TOTAL)Total Count	202	Print total number of item
3	(TOTAL)Void Price	203	Print voided price
4	(TOTAL)Void Count	204	Print voided number of
5	(TOTAL)Internal Tax Amount	205	Print internal tax price
6	(TOTAL)External Tax Amount	206	Print external tax price
7	(TOTAL)Total Price(Exclude Tax)	207	Print total price exclude tax
8	(TOTAL)Total Price(Include Tax)	211	Print total price include tax
9	(TOTAL)Payment Price	208	Print payment price
10	(TOTAL)Change Price	209	Print change price
11	(TOTAL)Current Date	103	Print current date
12	(TOTAL)Current Time	104	Print current time
13	(TOTAL)Total Tax Amount	210	Print total tax amount
14	(TOTAL)Second Currency Total Price	212	Print second currency total price
15	Store Name	105	Print store name
16	Store Tel	138	Print telephone number of store
17	Store Text	139	Print information of store
18	Clerk Number	128	Print clerk number
19	Clerk Name	106	Print clerk name
20	Customer Name	107	Print customer name
21	Customer ID	130	Print customer ID
22	Scale Number	137	Print scale number
23	Currency Rate	119	Print currency rate

► (2) Caption Field

No	Item	Field ID	Description
1	(C)(TOTAL)Total Count	190	Print the caption of total Item number
2	(C)(TOTAL)Payment Price	191	Print the caption of payment
3	(C)(TOTAL)Change Price	192	Print the caption of change price
4	(C)(TOTAL)Total Price	196	Print the caption of total price
5	(C)(TOTAL)Total Tax	197	Print the caption of total tax price
6	(C)Second Currency Total Price for Total Label	200	Print the caption of second currency total price
7	(C)Void Price for Total Label	168	Print the caption of void price
8	(C)(TOTAL)Void Count	169	Print the caption of void count

4.4 ASCII Code Table

► Microsoft Window Codepage 1252

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	NUL 0000	STX 0001	SOT 0002	ETX 0003	EOT 0004	ENQ 0005	ACK 0006	BEL 0007	BS 0008	HT 0009	LF 000A	VT 000B	FF 000C	CR 000D	SO 000E	SI 000F
10	DLE 0010	DC1 0011	DC2 0012	DC3 0013	DC4 0014	NAK 0015	SYN 0016	ETB 0017	CAN 0018	EM 0019	SUB 001A	ESC 001B	FS 001C	GS 001D	RS 001E	US 001F
20	SP 0020	!	"	#	\$	%	&	'	()	*	+	,	-	.	/
30	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
40	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
50	P	Q	R	S	T	U	V	W	X	Y	Z	[\]	^	_
60	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
70	p	q	r	s	t	u	v	w	x	y	z	{		}	~	DEL 007F
80	€ 20AC	•	/	f	"	•	†	‡	ˆ	‰	Š	<	€	•	Ž	•
90	•	\	/	"	"	•	-	-	•	š	>	œ	•	ž	Ÿ	•
A0	nbsp 00A0	¡	¢	£	¤	¥	¦	§	¨	©	ª	«	¬	­	®	¯
B0	°	±	²	³	´	µ	¶	·	¸	¹	º	»	¼	½	¾	¿
C0	À	Á	Â	Ã	Ä	Å	Æ	Ç	È	É	Ê	Ë	Ì	Í	Î	Ï
D0	Ð	Ñ	Ò	Ó	Ô	Õ	Ö	×	Ø	Ù	Ú	Û	Ü	Ý	Þ	ß
E0	à	á	â	ã	ä	å	æ	ç	è	é	ê	ë	ì	í	î	ï
F0	ð	ñ	ò	ó	ô	õ	ö	÷	ø	ù	ú	û	ü	ý	þ	ÿ

Note: To enter A , first you have to read 40 in a row and 01 in a column and type 41.

4.5 Window Character Set Information

Code	Short Name	Description	Country
1250	Central Europe	Windows Latin 2	Albania, Croatia, Czech, Faeroese, Hungarian, Polish, Romanian, Serbian(Latin), Slovak, Slovenian
1251	Cyrillic	Windows Cyrillic (Slavic)	Byelorussian, Bulgarian, Russian, Ukrainian
1252	Latin 1	Windows Latin 1 (ANSI)	Afrikaans, Catalan, Danish, Dutch, English, USA, Canada, New Zealand, Austria, Ireland, South Africa, Finnish, French, Belgium, Switzerland, Luxembourg, German, Austria, Liechtenstein, Italian, Icelandic, Indonesian, Norwegian, Portuguese, Brazil, Spanish, Mexico, Swedish
1253	Greek	Windows Greek	Greek
1254	Turkish	Windows Latin 5 (Turkish)	Turkish
1255	Hebrew	Windows Hebrew	Hebrew
1256	Arabic	Windows Arabic	Saudi Arabia, Iraq, Egypt, Libya, Algeria, Morocco, Tunisia, Oman, Yemen, Syria, Jordan, Lebanon, Kuwait, United Arab Emirates, Bahrain, Qatar, Farsi
1257	Baltic	Windows Batic Rim	Estonian, Latvian, Lithuanian
1258	Vietnam		Vietnam
874	Thai		Thai
932	Japanese Shift-JIS		Japan
936	Simplified Chinese GBK	Simplified Chinese	Chinese, Singapore
949	Korean	Complete Hangul	Korea
950	Traditional Chinese BIG5	Traditional Chinese	Taiwan, HongKong



CAS
S • C • A • L • E