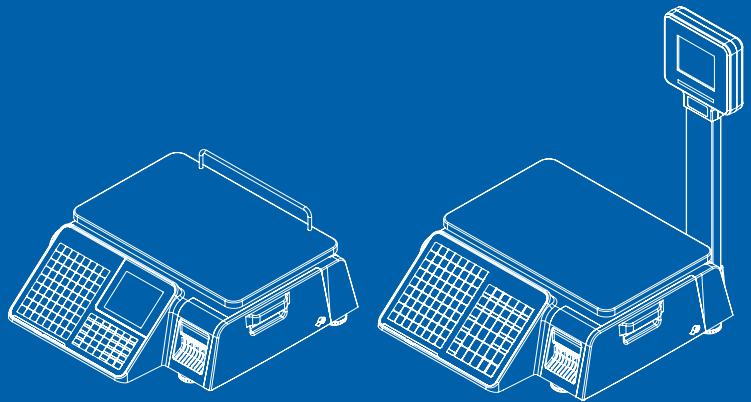


CL3000 SERIES

Label Printing Scale



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1. GENERAL

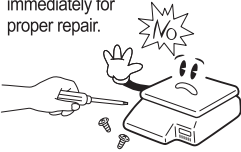
1.1 PRECAUTIONS

Warning

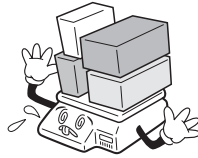
Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

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.



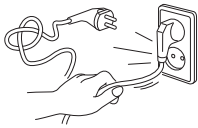
Scale must be grounded to minimize electricity static.

This will minimize defect or electric shock.

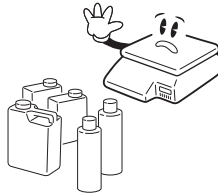


Do not pull the plug by its cord when unplugging.

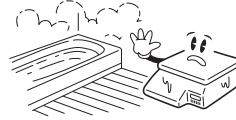
Damaged cord could cause electric shock or fire.



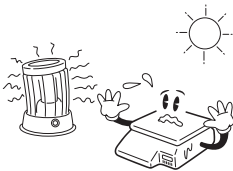
To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



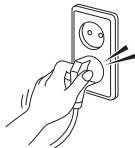
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



Avoid placing the scale near heater or in direct sunlight.

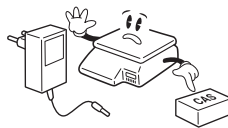


Insert plug firmly to wall outlet to prevent electric shock.



Use proper Adapter.

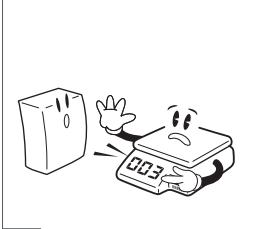
Incorrect adapter could damage the scale.



Attention

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

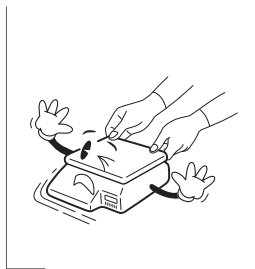
For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.



Avoid sudden shock to the scale.

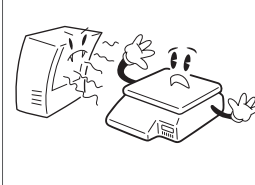


Grab on the bottom of the scale when moving.



Keep the scale away from other electromagnetic enerting devices.

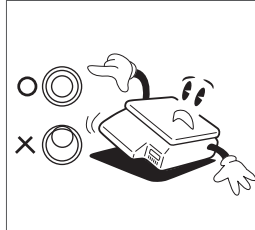
This may interfere with accurate reading.



Place the scale on firm and temperature consisten environment.



By adjusting 4 comers of the scale, set the scale even using the built in scale leveling indicator.



• 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 CL3000 series 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 CL3000 series 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 CL3000 series and should you need servicing, they are expertly trained by CAS to assist you with virtually any problem.

1.3 SPECIFICATIONS

Max. Capacity	3/6 kg	6/15 kg	15/30 kg	6/15 lb	15/30 lb	30/60 lb
Interval	1/2 g	2/5 g	5/10 g	0.002 lb/ 0.005 lb	0.005 lb/ 0.01 lb	0.01 lb/ 0.02 lb
Max. Tare	-2.999 kg	-5.998 kg	-9.995 kg	-5.998 lb	-9.995 lb	-29.99 lb
A/D Conversion Rate	Approx. 8 times/sec.					
Measurement Type	Load Cell					
Platter Size	380 x 250 mm					

Key	Standard Type (B)	72 PLU key, 35 function key	Pole Type (P)	72 PLU key, 36 function key
Speed Key		144 PLU		144 PLU
Display	LCD			
	Preset Tare : 5 digit Weight : 6 digit Unit Price : 7 digit Total Price : 8 digit PLU name: 12 digit			

Printer	Speed 100 mm/sec
Printing Resolution	202 dpi
Label Size	Width: 40mm~60 mm Length: 30mm~80 mm
Barcode Type	UPC, EAN13, I2OF5, CODE128
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

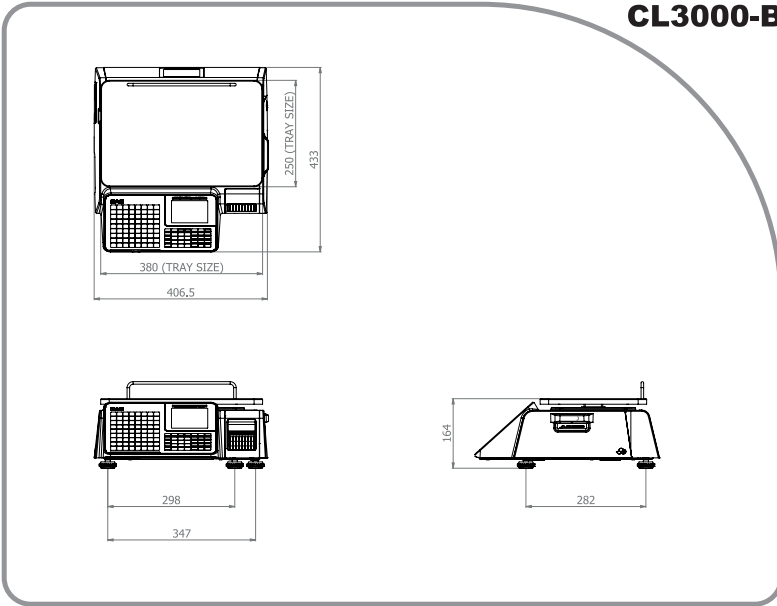
		Number	Range
Programmable Data	PLU (Price Look Up, Item Index Number)	10000	1~999999
	Ingredient 510 character	1000	1~1000
	User Defined Barcode Format	20	1~20
	Department	99	1~99
	Tax Type	9	1~9
	Group	99	1~99
	Clerk	95	1~95
	Discount	99	1~99
	Origin	500	1~500
	Label Format	30	Fixed
		20	Free Format
	Bitmap Image	14	1~99
	Customer	89	1~89
	Symbol	8	1~8
	Scroll Message	9	1~9
	X1,Z1 Report		
	Pay Type	7	
	Sales Message	99	1~99
	Nutrition fact	500	1~500
	Tare Table	99	1~99

Note: Specifications are subject to change without notice.
We always call PLUs instead of Item Index Numbers.

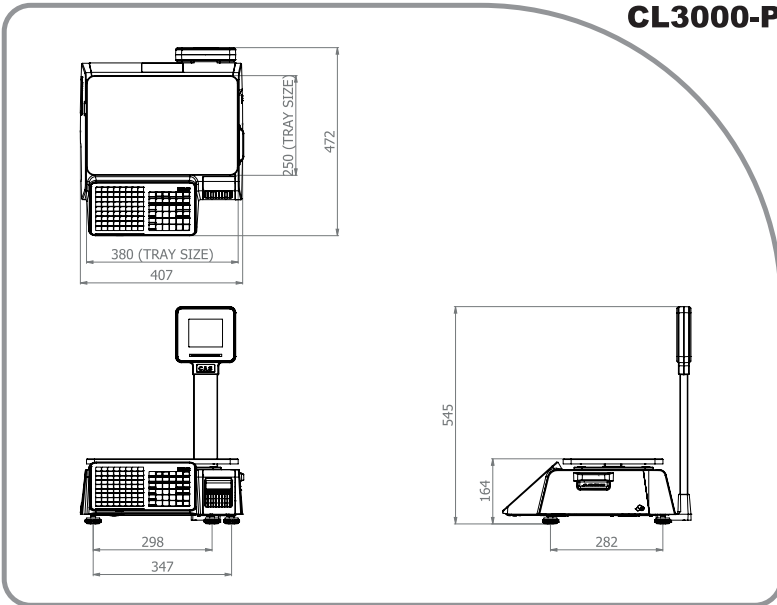
1.4 NAME AND FUNCTIONS

OVERALL VIEW

CL3000-B

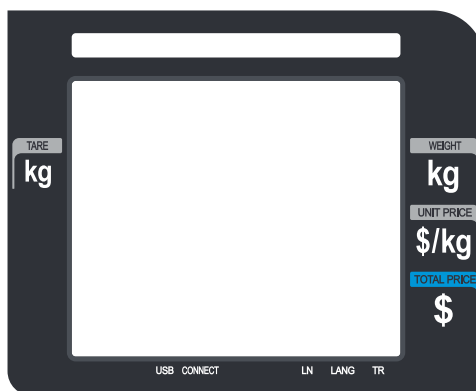
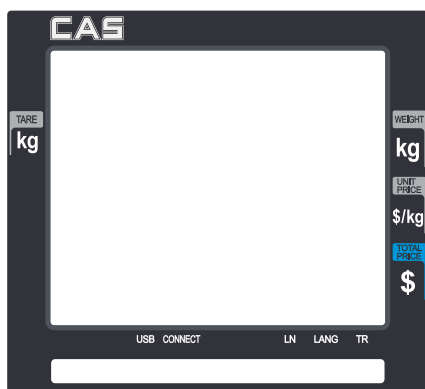


CL3000-P



DISPLAY

.CL3000-B



.CL3000-P

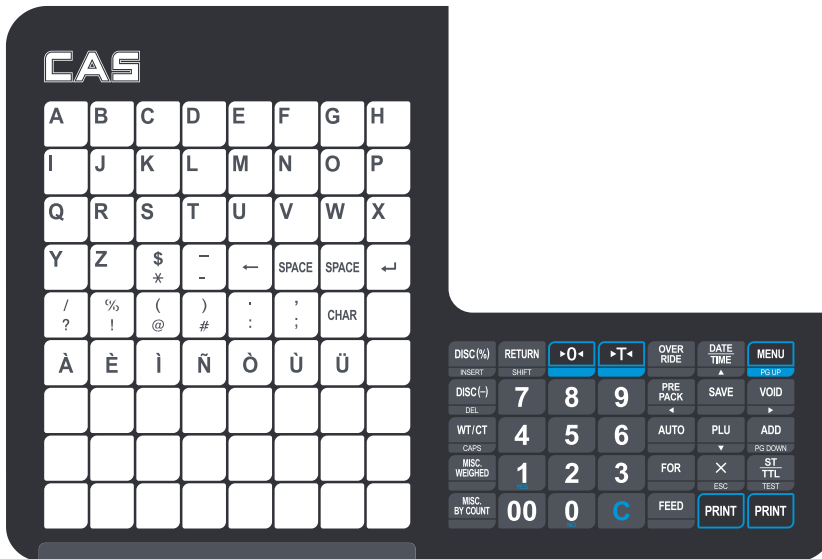


KEYBOARD


.CL3000-P



.CL3000-B












1.5 SYMBOLS

SYMBOLS	DESCRIPTION
STABLE	Stable weight indicator
ZERO	Zero weight indicator
NET	Net weight indicator
SHIFT	Speed key shift status indicator
DISC	Discount status indicator
PACK	Auto clearing status and Print mode indicator
AUTO	Print Mode indicator
SAVE	Auto clearing status indicator
	Battery status(level) check
USB	USB memory connection check
CONNECT	Network server connection check
LN	LAN Connection Status
LANG	Language change mode indicator
TR	Data transmission status indicator








1.6 KEY FUNCTIONS

Function key

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>

Program mode key

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)

Note: X key is only used in sale mode and ESC key is only used in program mode.

Sale mode : X key

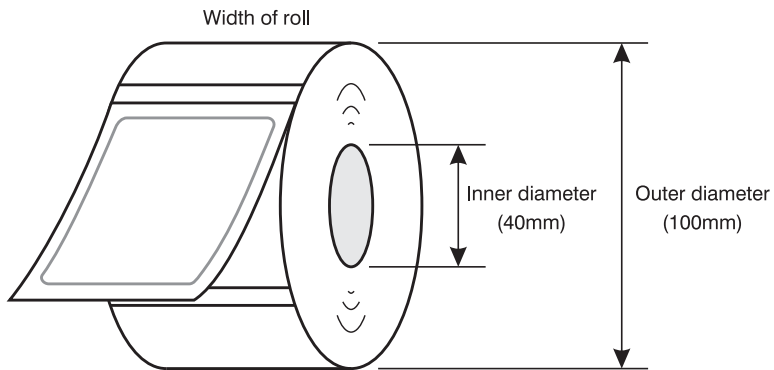
Program mode : ESC key



1.7 Installation of the Label Roll

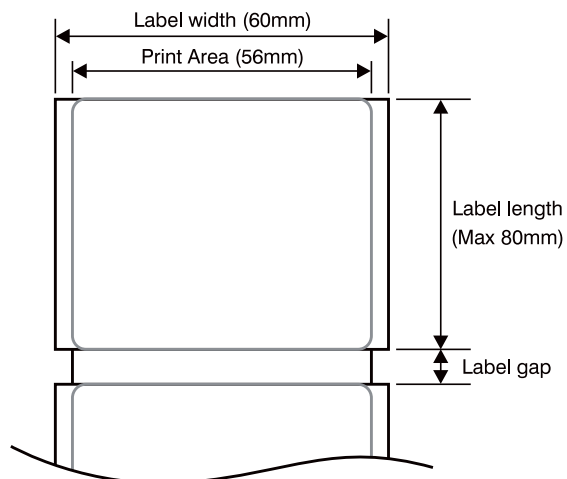
• Label Specifications

Outer diameter of roll : 100mm
Inner diameter of roll : 40mm
Width of receipt roll : 40, 50, 60mm
Width of label roll : 60mm(MAX)



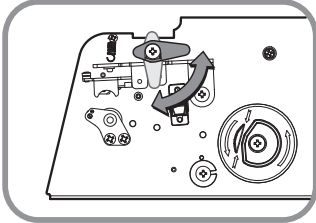
• Print Area

Width of label : 60mm(MAX)
Printable width : 56mm(MAX)
Length of label : 80mm(MAX)

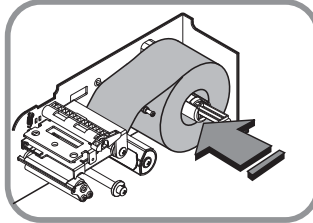


To install the label roll at ANY time you must follow the directions in this section:

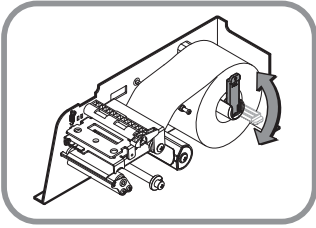
- ① Turn lever to open position.



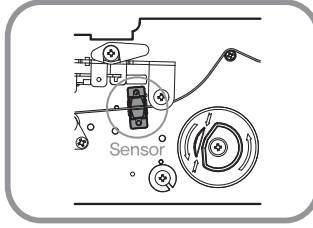
- ② Insert the Roll Paper.



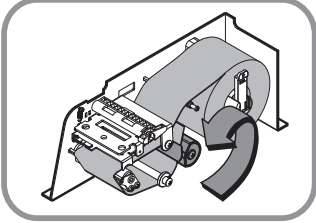
- ③ Upload a Paper Locker.



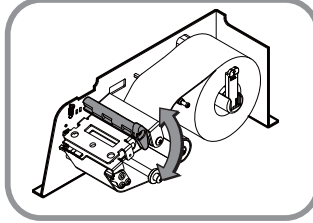
- ④ Place the Paper Between the sensor.



- ⑤ Spool the Paper to unwinder and repeat several times.



- ⑥ Turn lever to close position.



- ⑦ Press the FEED key. Scale prints twice for auto Label adjustment

2. PROGRAMMING

Program Mode Menu Tree (Menu code : 1000)

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu			
1100	PLU (PLU)	1110	PRICE (Change unit price)					
		1120	EDIT (New/Edit)					
		1130	DISC (Discount)	1133	1131	EDIT (New/Edit Discount)		
					1133	DEL (Delete Discount)	1137 (11331)	DEL.PLU (Delete by PLU(DC))
							1138 (11332)	DEL.DPT (Delete by Dept(DC))
							1139 (11333)	DEL.ALL (Delete All(DC))
		1140	MANAGE (Management)	1141	COPY (Copy)			
				1142	DEL (Delete)	1147 (11421)	DEL.PLU (Delete by PLU No)	
						1148 (11422)	DEL.DPT (Delete by Dept. No)	
						1149 (11423)	DEL.ALL (Delete All)	
				1143	MOVE (Move)			
				1144	ITEM (Select PLU Items)			
				1145	S.COUNT (PLU Sale Count)			
		1160	S-KEY (Speed Key)					
1170	T-LAB (Sample Printing)							
1200	TABLE1 (PLU Data Table I)	1210	DEPT (Department)	1211	NEW (New/Edit department)			
				1213	DEL (Delete department)			
		1220	GROUP (Group)	1221	NEW (New/Edit group)			
				1223	DEL (Delete group)			

		1230	TAX (Tax Rate)		
		1240	SMSG (Sales Message)		
		1250	ORIGIN (Origin)		
		1260	BAR (Barcode)		
		1270	TARE (Tare)		
		1280	SYMBOL (Unit Symbol)		
1300	TABLE2 (PLU Data Table II)	1310	MSG (Ingredient)	1311	EDIT (New/Edit Ingredient)
				1313	DEL (Delete Ingredient)
		1320	NUTRI (Nutrition Facts)		
1400	STORE (PLU Data Table III)	1410	STORE (Store)	1411	EDIT (New/Edit Store)
				1413	DEL (Delete Store)
		1420	CUSTOM (Customer)		
		1430	SCROLL (Scroll Message)		
		1440	CURR (Currency)		
		1450	BATCH (Job Batch Schedule)		
		1460	B.SCAN (Scanner)		
		1470	L-KEY (Label Format Key Table)		
1500	GLOBAL (Global Setting)	1510	LABEL (Label Format)		
		1520	BAR (Barcode)		
		1530	DC (Discount)	1531	MODE (Priority Setting)
				1532	WEIGHT (Weight Discount)
				1533	COUNT (Count Discount)
				1534	PCS (PCS Discount)
		1540	TAX (Tax)	1541	MODE (Set Global Tax)
				1542	TAX.NO (Global Tax Number)

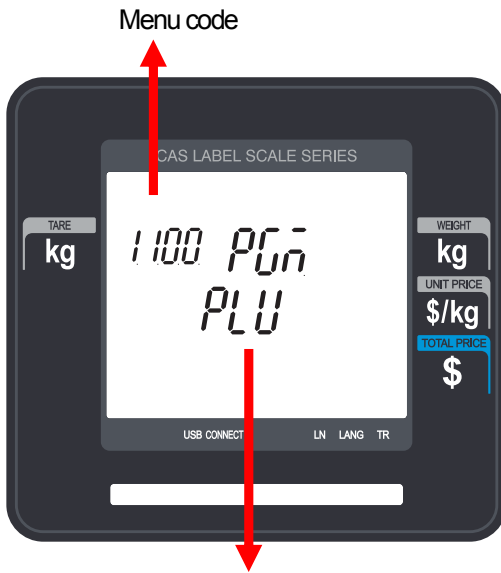
CODE	Menu	CODE	Sub Menu	CODE	Sub Menu
1600	REPORT (Report)	1610	X1-REP (X1 Report)	1611	SCALE (Scale)
				1612	PLU (PLU)
				1613	MISC (Misc. PLU)
				1614	GROUP (Group)
				1615	DEPT (Department)
				1616	HOURLY (Hourly)
				1617	CLERK (Clerk)
		1620	Z1-REP (Z1 Report)		
		1650	CLEAR (Clear All)		
		1660	PEND.TR (Non-sending Report)		
1700	PRINT (Print)	1710	ITEM (Print Label Item)		
		1720	MARKDN (Markdown)		
		1730	HW-SET (Print Hardware)	1731	MODE (Print Mode)
				1732	SIZE (Label/Ticket Size)
				1733	SEN.CAL (Sensor Calibration)
				1734	SEN.MOT (Sensor & Motor)
				1735	INTENS (Print Intensity)
				1736	ADJUST (Adjust Feed Length)
				1737	PREPRT (Label Preprint)
				1738	R-FEED (Adjust Reverse Feed Length)
		1740	S-FORM (Serial Number Format)		
		1750	ADDUP (Add-Up Total)		
		1760	TICKET (Ticket)	1761	TICKET (Select Ticket Item)
1762	LIST (Select List Item)				

				1763	FONT (Select Ticket Font Size)	
1800	CONFIG (Scale Config)	1810	SLMODE (Sale Mode)			
		1820	OPMODE (Operation Mode)			
		1830	SCALE (Department & Store ID)			
		1840	TIME (Date/Time)			
		1850	CLERK (User/ Security Configuratio n)	1851	EDIT (New/Edit User)	
				1852	PASSWD (Change Password)	
				1854	DEL (Delete User)	
				1855	PERMIS (Config Permission)	
				1856	C-KEY (Clerk Key)	
		1860	TEST (Test)	1861	DISP (Display)	
				1862	AD (A/D)	
				1863	KEY (Keyboard)	
				1864	CHESS (Chess Printer)	
				1865	SENSOR (Printer Sensor)	
				1867	VER (Firmware Version)	
				1868	COMM (Communication)	
		1870	PARAM (Scale Parameter)	1871	DISP (Display)	
				1872	PRT (Printing)	
				1873	SALE (Sale setup)	
				1877	Backup (Backup to USB Memory)	
1878	Restore (Restore from USB Memory)					
1874	CLERK (Clerk Logout)					
1880	F-KEY (Function Key Define)	1881	F-KEY (Function Key Define)			
		1882	CLERK (Function Key Block)			

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu
1900	COMM (Communication)	1910	NET (Network Setting)	1911	SERVIC (Service Type)
				1912	DHCP (DHCP)
				1913	IP (IP)
				1914	REMOTE (Remote IP)
				1915	RS232C (RS232C)
				1916	WLAN (WLAN setting)
		1920	APPL (Application)		
		1930	LOCK (Scale Lock/Unlock)		
		1940	CHECK (Check Scale)		
		1950	BACKUP (Backup to Scale)		
		1960	SLAVE (Slave Scale)		

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

You can move a page using PAGE UP or PAGE DOWN keys. You can also use the arrow keys to move the page.



Selectable menu. If you want to select PLU, simply press 1

2.1 PLU Programming

You can set 39 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	DISPLAY	Description
1	DEPT	Department No.
2	PLU	PLU No.
3	TYPE	Select PLU type among By Weight, By Count or By-PCS
4	NAME1	Enter name 1 of item. Maximum 40 characters.
5	NAME2	Enter name 2 of item. Maximum 40 characters.
6	NAME3	Enter name 3 of item. Maximum 40 characters.
7	GROUP	Select group number. This value can be from 0 to 99.
8	E.BAR	Ext.Barcode 13 digits of EAN-13 barcode is used to output them as they are
9	LABEL	Label No. (0~99) (0=Do not use Label No.), Label Formats "1~30". If Global Setting is YES, it is not shown.
10	LABEL2	(0~99) (0=Do not use Label No.), Label2 Formats "1~30". This function prints aux. label as saved number of label number
11	ORIGIN	Origin No. (0~500) 0=Do not use origin.
12	*F.WT	Fixed Weight. The weight is fixed regardless of item
13	PREFIX	Enter serial code for PLU
14	CODE	Item code
15	F.PRICE	Fixed Price. You can set whether use Fixed Price or not
16	☆PCS	Pieces. (0-999) Set the number for By-PCS PLU
17	☆SYMBOL	(0~8) Set symbol of PCS or Count
18	PRICE	Unit Price. This value can be from 0 to 999999.
19	S.PRICE	Special Price. It can be unit price by using Special key.
20	TAX	Enter tax number. This value can be from 0 to 9
21	*TARE	You can enter tare weight manually or enter No. of tare data. (By-weight PLU)

No	DISPLAY	Description
22	*P.TARE	% 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.
23	*T.LIMIT	Tare % Limit. (0~99.99) You can enter tare limit. %tare <= % limit -> Gross weight is printed %tare > % limit -> Net weight is printed
24	BAR	Barcode No. This value can be from 0 to 20, If Global Setting is YES, it is not shown.
25	BAR2	Barcode2 No. This value can be from 0 to 20.
26	PR.DATE	Produced Date. (0~999) This is subtracted to the current date in order to be calculated.
27	P.DATE	Packed Date. (0~999) This is added to the current date in order to be calculated.
28	P.TIME	Packed Time. (0~99) If you set it to 0, it is not printed
39	S.DATE	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
30	S.TIME	Sell-by Time. (0~99) If you set it to 0, it is not printed
31	C.DATE	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.
32	MSG.NO	(0~999) Enter ingredient No.
33	NUTRI	(0~500) Enter nutrition fact ID
34	SMSG	(0~99) Enter sales message No.
35	RF.DEPT	(0~99) Enter reference department No.
36	RF.PLU	(0~999999) Enter reference PLU No.
37	CP.DEPT	(0~99) Enter coupled PLU department
38	CP.PLU	(0~999999) Enter coupled PLU No.
39	LINK.NO	(0~2) Enter the number of linked PLU.
43	★LN.DEP1	Link PLU1 Dept. (0~99) Enter PLU1 department No.
44	★LN.PLU1	Link PLU1 No. (0~999999) Enter PLU1 No.
45	★LN.DEP2	Link PLU2 Dept. (0~99) Enter PLU2 department No.
46	★LN.DEP2	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.

★ These items are shown on the display when you input # of Link 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.

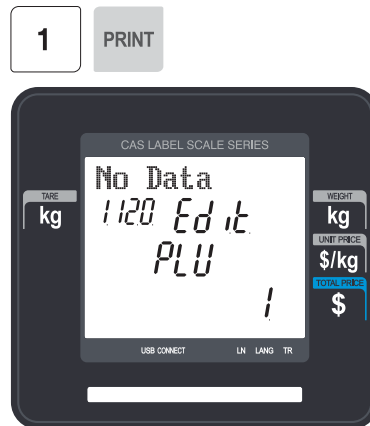
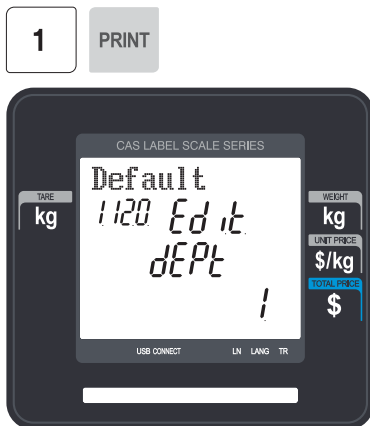
Note: You may experience different item menus. You can modify menu items at menu (1144)

1. Create By-Weight PLU

- Department should be set previously

EX) Department No. = [1] Default

PLU No. : [1]



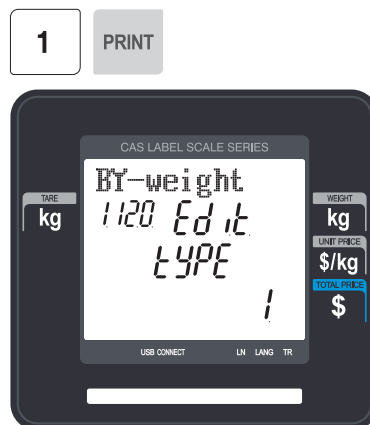
2. Select PLU Type

1. BY-Weight
2. BY-Count
3. BY-PCS

EX) BY-Weight Item

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

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



3. Enter PLU Name 1

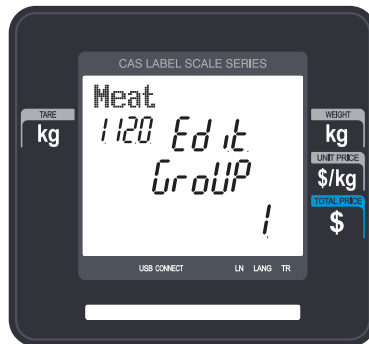
EX) "BEEF"



4. Select Group

- You can use Group depending on the Menu code 1220.
- If there is no group for this PLU, enter 0.

EX) 1. Meat



5. Select Origin

- You can use Origin depending on the Menu code 1250.
- If there is no origin for this PLU, enter 0.

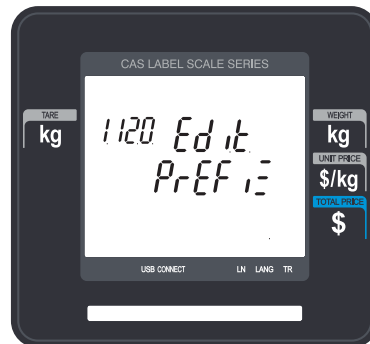
EX) 49. China



6. Enter Prefix

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

EX) Do not use prefix



7. Item Code

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

EX) Item Code = 1941



8. Price

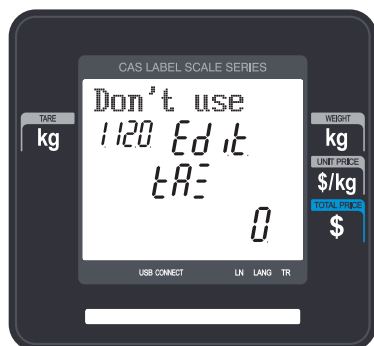
EX) Price = \$10.00



9. Tax No.

- Maybe 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 No. 0



10. Tare

- You can use Tare Table, depending on the setting of Parameter 584. You can set Tare Table (Menu code 1270)

EX) Tare = 0.100kg



11. 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



12. 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



13. 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



14. Sell By Date

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

EX) 1 : Today

- 2 : Packed date + 1



15. Sell By Time

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

- 0 : Current Time
- 1 : Packed Time + 1 Hour

EX) 10 Hour

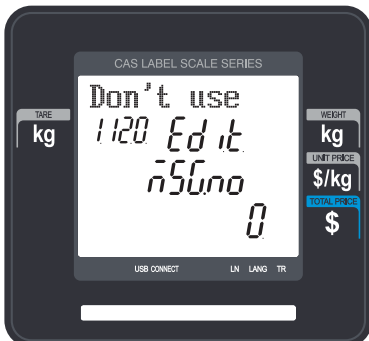


PLU fill in Item	Description	Value				Calculation
		0	1	2	...	
Produced Date	Before Printing Date	No print	Yesterday	Before yesterday	...	Print Date - Input Value(Day)
Packed Date	After Printing Date	Today	Tomorrow	After tomorrow	...	Print Date + Input Value(Day)
Packed Time	After Printing Time	Current	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

16. Ingredient No.

- You can use Ingredient depending on the Menu code 1310.
- If there is no ingredient for this, enter 0.

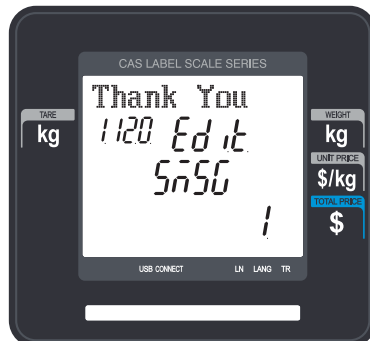
EX) Do not use ingredient



17. 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



18. Reference PLU Department

- If you do not want to use, enter 0

EX) Reference PLU Department = 0



19. Reference PLU No.

- If you do not want to use, enter 0

EX) Reference PLU No. = 0

Usage is possible to register the reference key at 1881 in order to use the No. 36~37 reference PLU.



2.1.2 Create By-Count PLU (Menu code 1120)

(MENU → 1. PLU → 2. New/Edit)

※ Showing only the different parts of PLU items

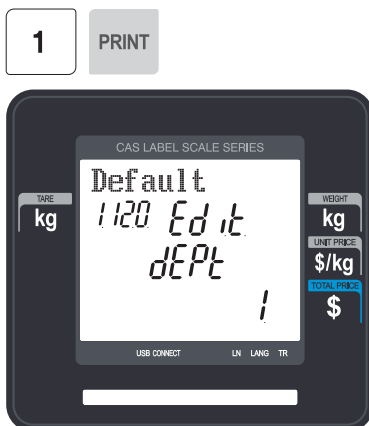
- ◆ You can press the SAVE key at anytime to save the current PLU data and if you want to exit without saving, press the ESC key.

1. Enter Department No. / PLU No.

- Department should be set previously

EX) Department # = 1. Default

PLU # = 2

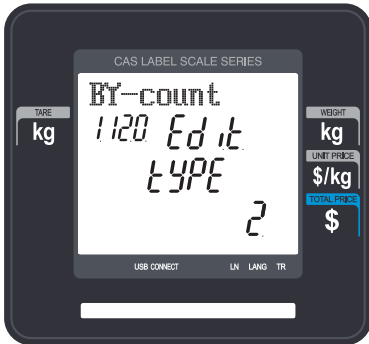


2. Select PLU Type

- 1. By Weight / 2. By Count / 3. By PCS

EX) BY-Count Item

2 PRINT



3. Enter PLU Name 1

EX) PEAR

P E A R PRINT



4. Qty Unit No.

EX) Qty Unit No. 6

6 PRINT



5. Price

EX) Price = \$10.00

1 0 0 0 PRINT



2.1.3 Create By-PCS PLU (Menu code 1120)

(MENU → 1. PLU → 2. New/Edit)

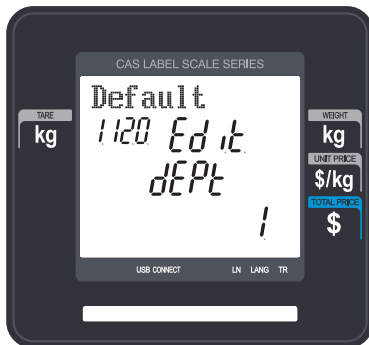
※ Showing only the different parts of PLU field
By-PCS PLU is used depending on the Parameter 593.

- ◆ 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

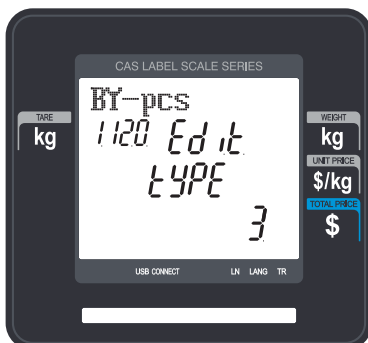
EX) Department # = 1. Default
PLU # = 2



2. Select PLU Type

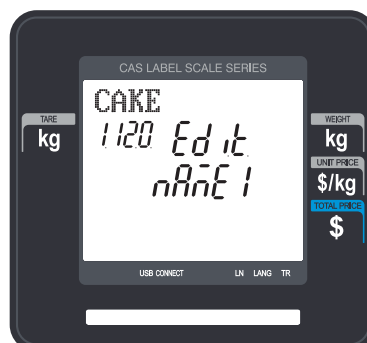
- 1. By Weight / 2. By Count / 3. By PCS

EX) BY-PCS Item



3. Enter PLU Name 1

EX) CAKE



4. Pieces

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

EX) 10 piece



5. Qty Unit No.

EX) Qty Unit No. 6



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 Management(Menu code 1140)

2.1.5.1 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

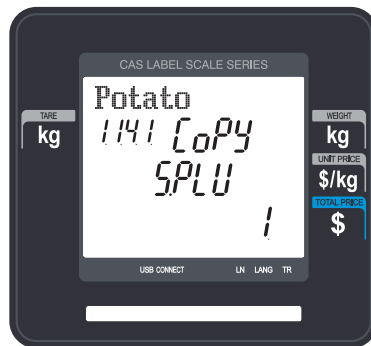
EX) Source Department # = 1
Source PLU # = 1

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

1 PRINT



1 PRINT



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

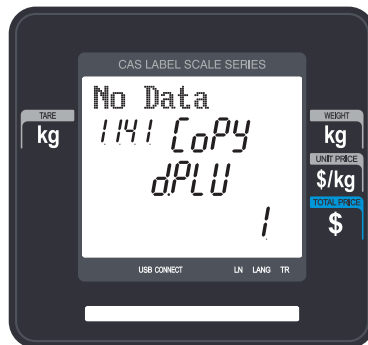
EX) Destination Department # = 2
Destination PLU # = 1

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

2 PRINT



1 PRINT



2.1.5.2 Deleting PLU (Menu code 1142)

(MENU → 1. PLU → 4. Management → 2. Delete)

• There are three ways to delete PLU. Simply enter the number that you wish to delete.

1. Delete by PLU No
2. Delete by Dept. No
3. Delete by ALL

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



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



2.1.5.3 Moving PLU (Menu code 1143)

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

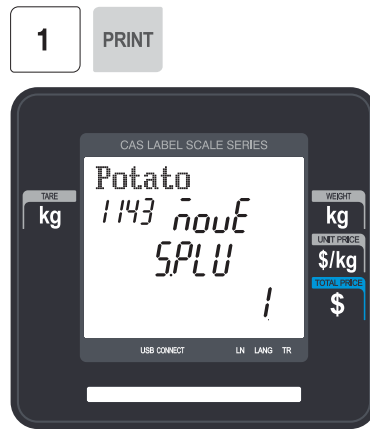
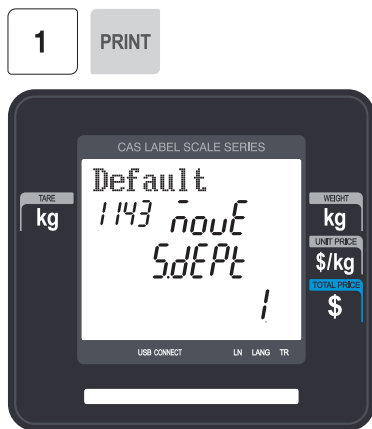
- All the PLU information will move with comment (discount, Tax, barcode type, etc)

1. Select Source

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

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

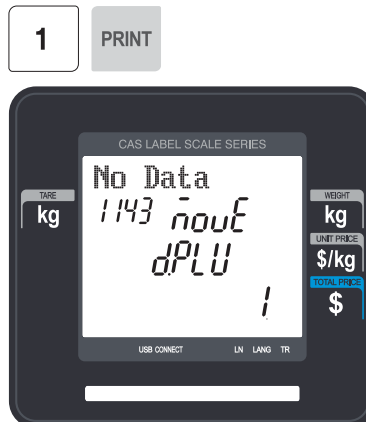
Note : If PLU number exists in destination department you will be asked to confirm the copy.



2. Select Destination

- Enter the Department number where the 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

2.1.5.4 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.

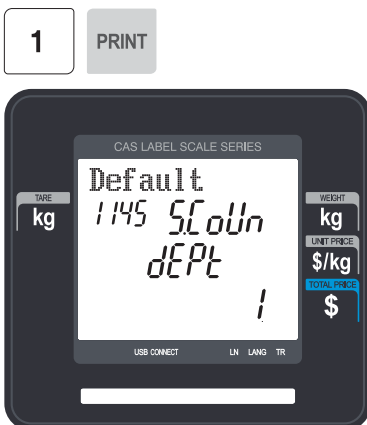
A list of all available PLU Field Items can be found at the beginning of Section 2.1.

2.1.5.5 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.



2.1.6 Sample Printing (Menu code 1170)

(MENU → 1. PLU → 7. Sample Printing)

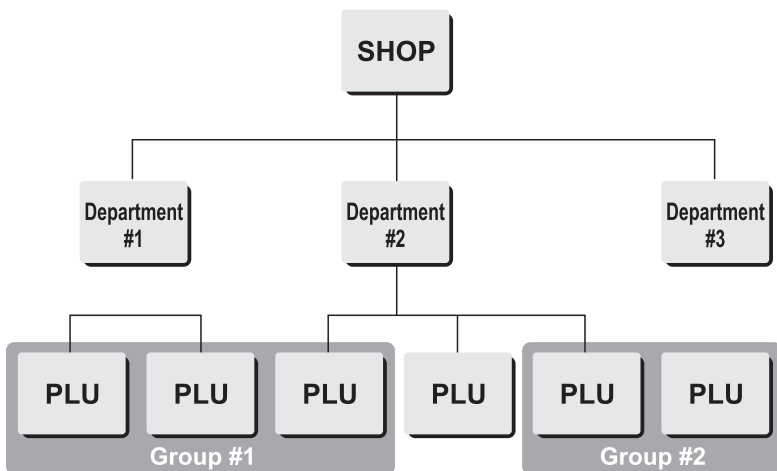
- Used to enable printing a sample PLU label

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.

2.2 Programming PLU Data Table I

In the CL3000 series, 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 CL3000 series 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 CL3000 series 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 CL3000 series 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.

2.2.1.1 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. Department Description

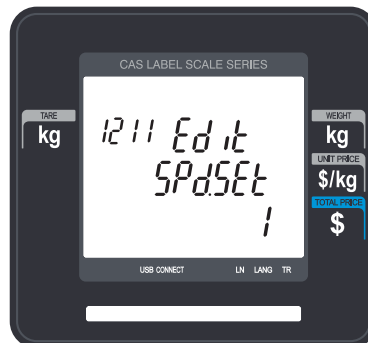
EX) Department Description = GROCERY



3. Speed Key Setting

- Refer to 2.6 Speed Key

EX) Speed key set no. = 1



Note: You can select from 5 different Speed Key sets. Refer to Section 2.6 Speed Key Set No.

2.2.1.2 Delete Department (Menu code 1213)

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

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.

Caution : You can't delete department 1 for keep system's security

2.2.2 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.

2.2.2.1 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

2. Enter Group Description

EX) Group Description = BAGEL

1 PRINT



B A G E L PRINT



2.2.2.2 Delete Group (Menu code 1223)

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

1. Enter group number

EX) Delete group 1.

1 PRINT



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

2.2.3 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.

2.2.3.1 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



2. Set Tax Type

- See Tax Type table as below.

EX) Internal TAX Type



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("IN.TAX") on chapter 2.14.7

3. Enter Tax Rate

EX) Tax Rate = 5.00%



4. Exit Menu

• If you want to exit, press ESC key.



2.2.3.2 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.

2.2.4 Sales Message (Menu code 1240)

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

Sales message can be printed on PLU labels so long as the format that you use contains a Sales Message field. This is a great tool for advertising and cross-marketing products.

2.2.4.1 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

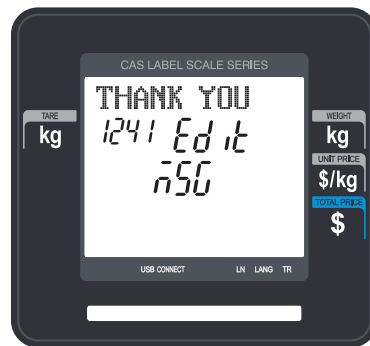
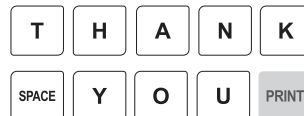
- Message number is available 1 to 99

EX) Message No. = 1



2. Enter Message

EX) Message = THANK YOU



3. Exit Menu

- If you want to exit, press ESC key.



2.2.4.2 Delete Sales Message (Menu code 1243)

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

1. Enter Message No.

1

PRINT

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.

2.2.5 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.

2.2.5.1 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.

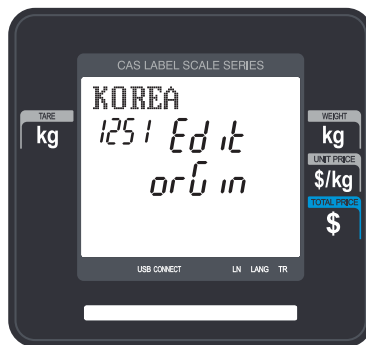
1. Enter Origin No.

• 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, press ESC key.



2.2.5.2 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 a Origin. Pressing the PRINT key will cause the Origin entered to be deleted.

2.2.6 Barcode (Menu code 1260)

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

Up to 20 different Barcode Formats can be programmed in the CL3000 series. Different Barcode Formats can be assigned to individual PLU's or one Barcode Format can be used for all PLU's by enabling the Global Barcode Format Setting (Menu 1520).

2.2.6.1 New/Edit Barcode (Menu code 1261)

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

1. Enter Barcode No.

EX) Barcode No = 1



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
4	I2OF5	2~24 digit
5	UPCA	12 digit
9	CODE128	2~30 digit

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 GGIIIIIPPPPC



► The following defines the format characters for Barcode Formats : Example EAN-13)

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

► 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	v	• weight check digit (It is created automatically)
19	O	• Packed date
20	S	• Tare value
21	%	• % : print next fixed character*
22	0~9	• numbers

*% : It is used to enter characters therefore you can't use this to enter numbers.

5. Exit Menu

- If you want to exit, press ESC key.



2.2.6.2 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.

2.2.7 Tare (Menu code 1270)

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

The CL3000 series 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.

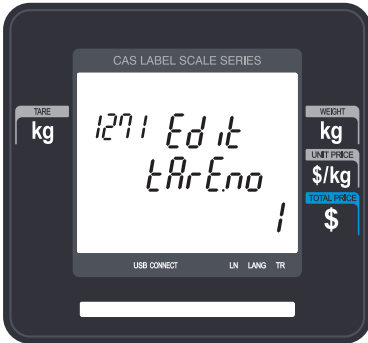
Note: Tare weights for use in Tare No.'s can be programmed using the known numeric value or by placing the actual container on the scale.

2.2.7.1 New/Edit Tare (Menu code 1271)

(MENU → 2. PLU Data Table I → 7. Tare → 1. New/Edit)

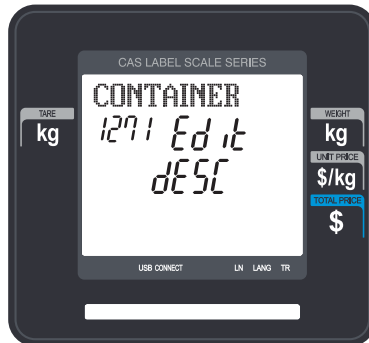
1. Enter Tare No.

EX) Tare No. = 1



2. Tare Description

EX) Tare Description = Container

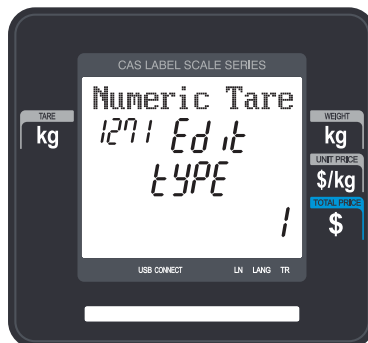


3. Tare Type

- 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

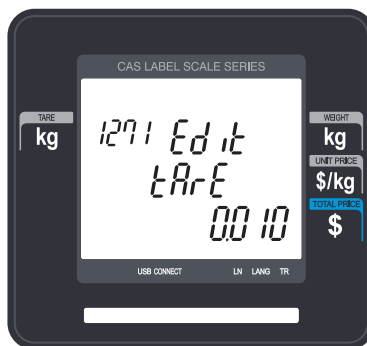


► Type of Tare

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 Kg



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 0.010 kg that is programmed here.

2.2.7.2 Delete Tare (Menu code 1273)

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

2.2.7.3 Tare Key (Menu code 1274)

(MENU → 2. PLU Data Table I → 7. Tare → 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 1881 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.

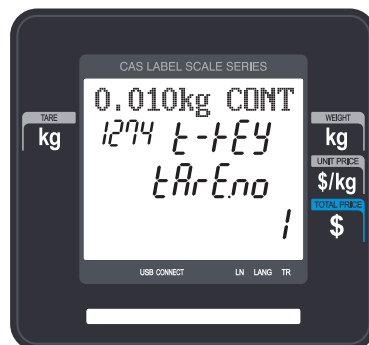
EX) Tare Key = 1



2. Enter tare number

• Tare Keys are 1 to 9 only.

EX) Tare No = 1



2.2.8 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.

2.2.8.1 New/Edit Unit Symbol (Menu code 1281)

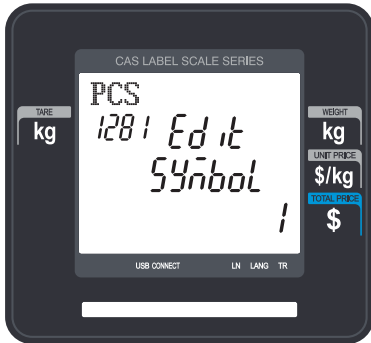
(MENU → 2. PLU Data Table I → 8. Unit Symbol → 1. New/Edit)

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

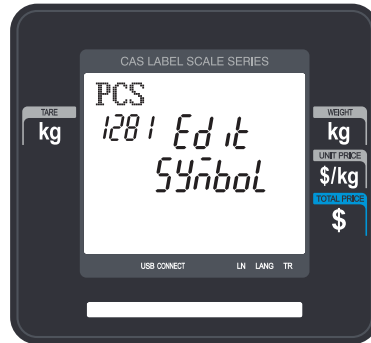
- This value can be from 1 to 8.

EX) Qty Unit No. = 1



2. Enter unit symbol

EX) Symbol = PCS



3. Exit menu

- If you want to exit, press ESC key.



2.2.8.2 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)

2.3.1.1 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 1000.

EX) Qty Unit No. = 1



2. Enter ingredient

EX) Ingredient Line1 = SALT

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



- Note: 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.



2.3.1.2 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.

Note : **Method of Using** the Ingredient

1.1 Ingredient

Total of 510 characters can be inputted for the Ingredient in the basic setting. These 510 characters can be used by categorizing them into Ingredient1 and Ingredient2. Categorization code exists to distinguish Ingredient1 and 2. This code can be inputted by using the [CHAR] CODE input key. Ingredient1 and Ingredient2 are printed onto separate fields in the label format. Field ID of Ingredient1 is 25, while that for ingredient2 is 26.

1.2 **Inputting** of Ingredient at the **weighing scale**

- (1) Input Ingredient1 at the ingredient input window (MENU 1311).
 - (2) After having inputted Ingredient1, press the [CHAR] key to indicate “0000” in the Unit Price box of the VFD window.
 - (3) Input categorization code (0x0c). “☐” will be indicated.
[0] + [C] + [PRINT]
- ※ Space (“ ”) instead of “☐” can be indicated depending on the country.
- (4) After having inputted Ingredient2 after the “☐”, press the [SAVE] key.

2.3.2 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

Display	Description	Unit
SS-	Serving Size	Text
SP-	Serving Per Con	Text
CALO	Calories	Cal
CALO-F	Calories From Fat	Cal
TO-FAT	Total Fat	g
SA-FAT	Saturated Fat	g
TR-FAT	Trans Fat	g
CHOLE	Cholesterol	mg
SODIUM	Sodium	mg
CARBO	Total Carbohydrates	g
FIBERS	Dietary Fibers	g
SUGARS	Sugars	g
PROTN	Protein	g
VITA-A	Vitamin A	%
CALC	Calcium	%
VITA-C	Vitamin C	%
IRON	Iron	%

2.3.2.1. 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. Nutrition Fact No

• This value can be from 1 to 500.

EX) Nutrition fact no = 1

1 PRINT



2. Enter description

EX) BEEF STEW

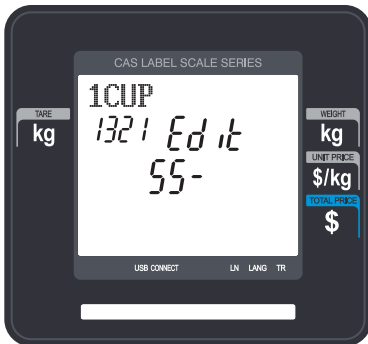
B E E F
S T E W PRINT



3. Enter Serving Size(Text)

EX) Serving size = 1CUP

1 C U P PRINT



4. Serving Per Container(Text)

EX) Serving Per Container = 2

2 PRINT



5. Calories

EX) Calories = 230



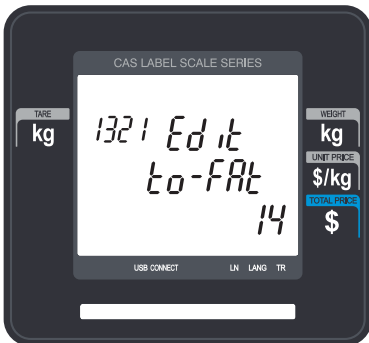
6. Calories from fat

EX) Calories From Fat= 120



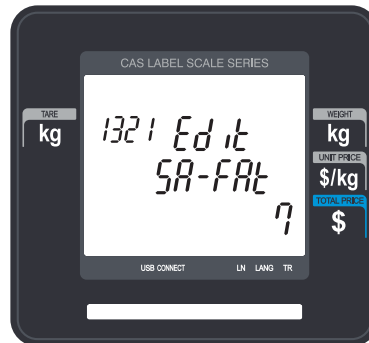
7. Total Fat(g)

EX) Total fat = 14 g



8. Saturated fat(g)

EX) Saturated fat = 7 g



9. Trans Fat(g)

EX) Trans Fat = 1 g

1 PRINT



10. Cholesterol(mg)

EX) Cholesterol = 40 mg

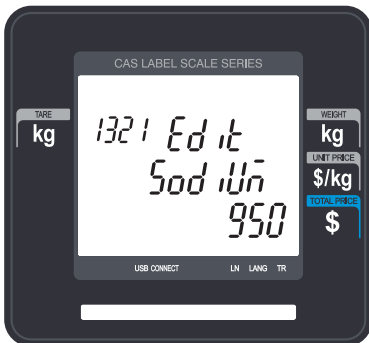
4 0 PRINT



11. Sodium(mg)

EX) Sodium = 950 mg

9 5 0 PRINT



12. Total Carbohydrate(g)

EX) Total Carbohydrate = 16 g

1 6 PRINT



13. Dietary Fibers(g)

EX) Dietary Fiber = 2 g

2 PRINT



14. Sugars(g)

EX) Sugars = 3 g

3 PRINT



15. Protein(g)

EX) Protein = 11 g

1 1 PRINT



16. Vitamin A(%)

EX) Vitamin A = 20%

2 0 PRINT



17. Calcium(%)

EX) Calcium = 2%

2 PRINT



18. Vitamin C(%)

EX) Vitamin C = 0 %

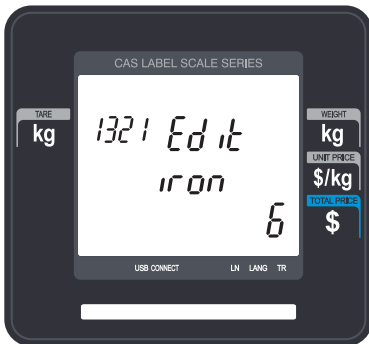
0 PRINT



19. Iron(%)

EX) Iron = 6 %

6 PRINT



2.3.2.2 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

1

PRINT



Note: There is no confirmation request when deleting a Nutrition Fact No. Pressing the PRINT key will cause the Nutrition Fact 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.

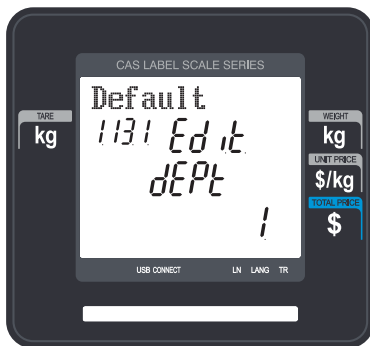
2.4.1.1 New/Edit Discount (Menu code 1131)

(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. Enter department number and PLU number.

EX) Department Number = 1



EX) PLU Number = 1



2. Enter discount type

- Refer to Discount Type table as below

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



► Discount Type

#	Display	Type	Description
1	UPRICE	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	%UPRICE	% 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	TPRICE	Total Price Discount	- Set discount amount for total price.
4	%TPRICE	% Total Price Discount	- Set discount % of total price.
5	FIX PRICE	Fixed Price	- Set a fixed amount for discount.
6	FREE ITEM	Free Item	- Set free of charge item.
7	FREE ADD	Free Addition	- By Weight PLU: Set discount weight. - By Count/PCS PLU: Set discount number
8	TPRICE by T	Total Price by total price	- Set a discount amount of total price for current total price.
9	%TPRICE by T	% Total Price by Total Price	- Set a discount % of total price for current total price
10	UPRICE BY T	Unit Price by Total Price	- Set a discount amount of unit price for current total price
11	EXTRABY T	Extra by Total Price	- Set a discount number of item for current total price
12	UPRICE+	Unit Price Discount+	- Similar to #1 type 'Unit Price Discount', but it shows discounting price, not discounted price.
13	FREE ITEM+	Free Item +	- Buy N get 1 for free.

※ 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 below table.

※ 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.

EX) 1st Target: 0.100 Kg

1st Value: 1.00 \$



2nd Target: 0.500 Kg

2nd Value: 2.00 \$



No.	Display	Type	Description
1	TARGT1	First Target Weight	Set weight limit for 1st stage of discount.
2	VALUE1	First Value Price	Set the discount amount of unit price for the first weight limit.
3	TARGT2	Second Target Weight	Set weight limit for 2nd stage of discount.
4	VALUE2	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



5. Discount Condition 2 (Set date and time)

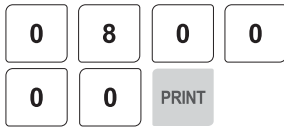
- If you set date and time to 0, it means discount all the time

EX) Start Date: 14-07-01

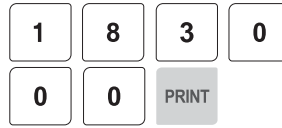
End Date : 14-07-31



EX) Start Time: 8am



End Time: 6:30pm



6. Exit menu

- If you want to exit, press the ESC key.



2.4.1.2 Delete Discount (Menu code 1133)

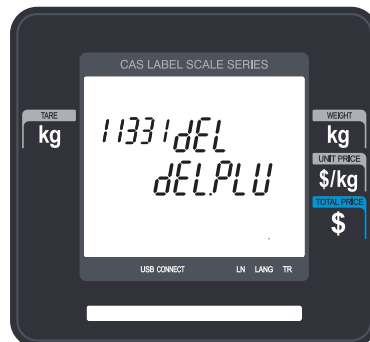
(MENU → 1. PLU → 3. Discount → 3. Delete)

- ◆ There are three ways to delete Discount. Simply enter the number that you wish to delete.

1) 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. Enter the department number and PLU number to delete

EX) Department number = 2



PLU No. = 1



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

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

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.

3) Delete ALL (DC) (Menu code 1139)

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

Press 1 key to select 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.

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.

2.5.1.1 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.

Discount information is also printed on the label.

► Discount Priority Setting

No	Display	Type	Description
0	NO DC	No Discount	No discount applied
1	PLU DC	PLU Discount	PLU discount only applied
2	GLOBAL DC	Global Discount	Global discount only applied
3	PLU & GLOBAL	No Discount In PLU then Global	PLU discount is applied. If there is no PLU discount, apply global discount

2.5.1.2 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 by Count Item (Menu code 1533)

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

Global Discount condition by PCS Item (Menu code 1534)

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

2.6 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 2.2.1.1)

Note: Function keys can be programmed using Menu code 1881 (chapter 2.14.8) and are assigned to Speed Key locations. If you program Function keys on the CL3000 series 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 2.2.1.1)

EX) Speed key set No. = 2



2. Speed Key Programming

- The Speed keys are numbered left-to-right and top-to-bottom. for standard type, there are 54 physical keys but using SHIFT key you can use up to 108 keys. but for pole type, there are 72 keys if you press the SHIFT key and then one of the 72 Speed keys, then you can access Speed keys 73 through 144

EX1) Speed key no. 1



3. PLU No.

- Enter PLU no. to assign speed key
- PLU should be belong to scale department.

EX1) PLU 10 = BEEF



2.7 Programming Store Data

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

2.7.1 Store Data (Menu code 1410)

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

This menu shows how to program Store Data information.

2.7.1.1 New/Edit Store (Menu code 1411)

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

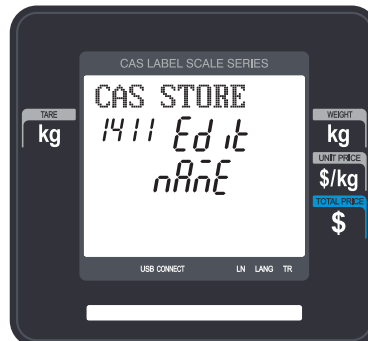
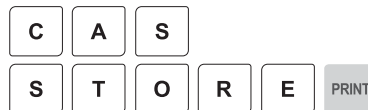
1. Enter store number.

EX) #1



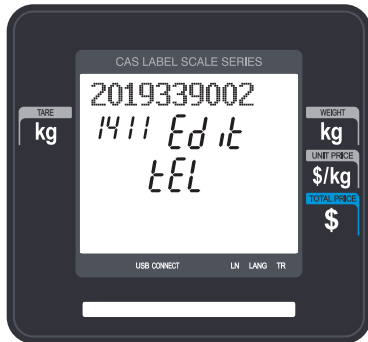
2. Press PRINT key and enter appropriate text in NAME .

EX) NAME = CAS STORE

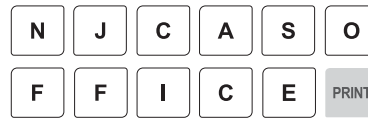


3. Press PRINT key, then user may enter other store information such as TELEPHONE NUMBER or any text information.

EX) TEL.#=2019339002,



TEXT=NJ CAS office



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



2.7.1.2 Delete Store (Menu code 1413)

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

- ➔ This menu is to delete the STORE user wish to.
- ➔ Press 3 in STORE menu to get into DELETE STORE menu.

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.

2.7.2 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.

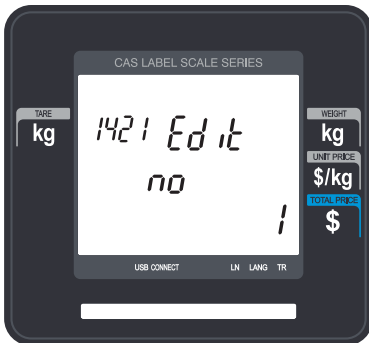
EX) Pre-paid Customer, Monthly payment, etc.

2.7.2.1 New/Edit Customer (Menu code 1421)

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

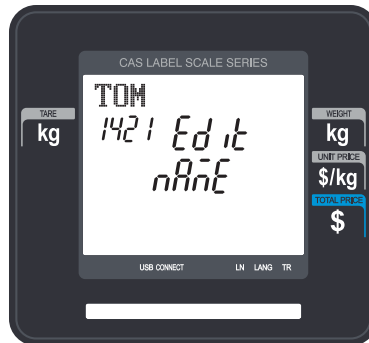
1. Enter Customer number and press "PRINT" key.

EX) Customer No.=1,

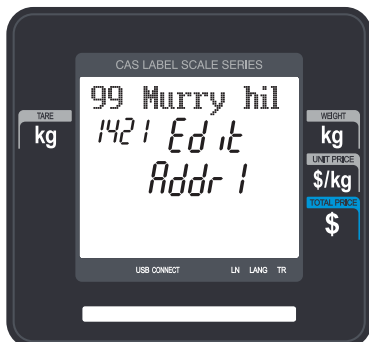


2. Enter other informations in [], such as Name, Address1, and Address2.

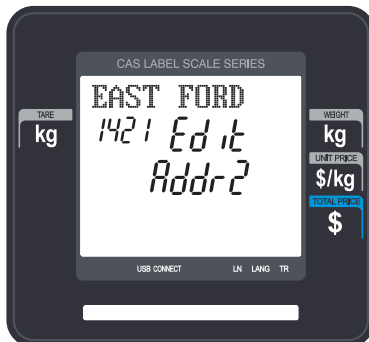
EX) NAME=TOM



EX) ADDRESS 1=99 Murry hill.

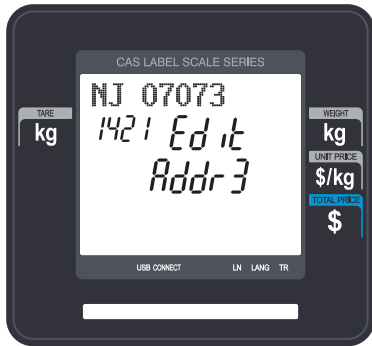
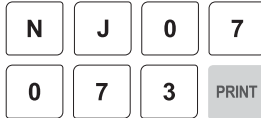


EX) ADDRESS 2=East ford

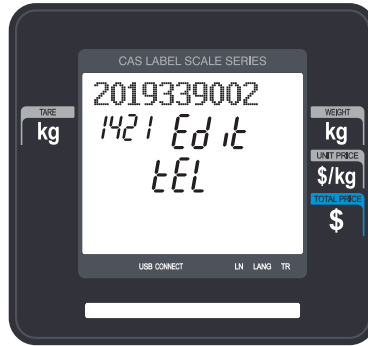
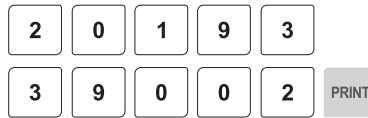


3. Press “PRINT” key, then user may enter the Address 3, TEL. Number and customer s CREDIT LIMIT AMOUNT.

EX) ADDRESS3=NJ 07073



EX) TEL=2019339002



EX) 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.



2.7.2.2 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

1

PRINT

EX) Delete customer N0.=1



2.7.3 Scroll Message (Menu code 1430)

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

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

2.7.3.1 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 seconds. Setting wait-time as 0 means NO use "Scroll Message".

- Wait-time

This value can be from 1 to 6000 seconds.

Ex.) 5 seconds

5

PRINT



2.7.3.2 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.

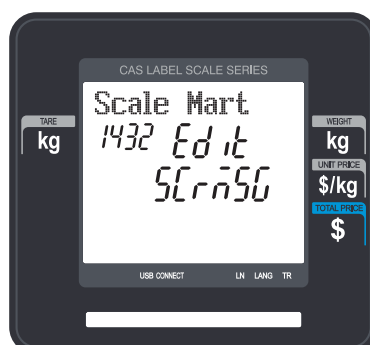
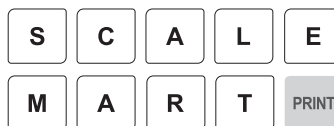
1. Enter Message No. and Message Text

- Enter Message No. and Message Text.

EX) Message No. = 1



EX) Message Text = Scale Mart



2. Set Speed

- Speed means the scrolling/blinking speed. => for the text speed is representing the moving speed of the text, and when it is blinking speed, it represents the speed of the blinking. User may set it from 1 to 99. (unit = 0.1m/s)

EX) SPEED = 10



3. Input Blink Counts

- User may input up to 9 blinks. This is setting for how many time the blink to blink. Please input blink counts.

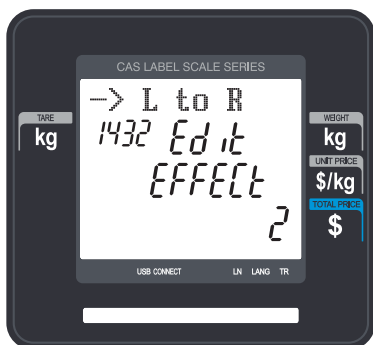
EX) Blink Count = 0



4. Set scrolling message effect

- Effect =0 : No use.
- Effect =1 : Scroll message left to right
- Effect =2 : Scroll message right to left
- Effect =3 : Scroll message blink

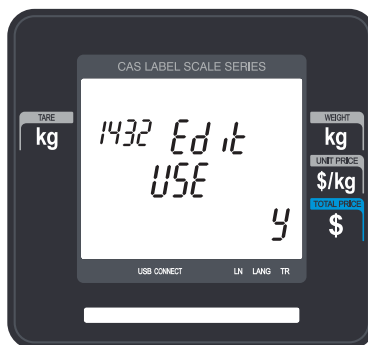
EX) Effect = 2



5. Select use or unuse for scrolling Message

- Y : USE
- N : NO USE

EX) 1 = Yes



6. Set date of scroll message

- Date Setting

EX) 1 = Yes

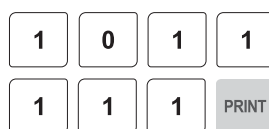


- Day of the Week Setting

EX) SMTWTFS 1 0 1 1 1 1 1

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



EX) 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 every day until December 31, 2099.

- Enter Time

EX) Start Time = 00:00:00



EX) 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.

2.7.4 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 1881 Function key definition.

2.7.4.1 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



2. Rate Decimal Point

- Enter the Rate Decimal Point (default = 4)

EX) 1 = Yes

3 PRINT



3. Currency Rate.

- Enter comparative rate of currency to default currency set.

EX) Default currency = \$1.00

Comparative currency rate to default

Currency = □ 12.800

1 2 8 0 0 PRINT

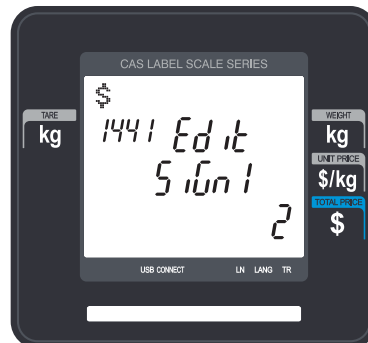


4. Primary Sign

- Enter the first currency sign to be changed.

EX) Primary Sign = \$

CHAR 8 0 PRINT



5. Last Symbol

- Enter the last currency symbol to be changed.

EX) No last symbol



6. Price Decimal Digit

- Enter the number of decimal digit

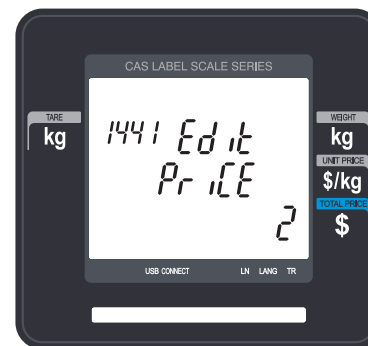
EX) Price Decimal point digit = 2



7. Price Output Format

- Enter the number of format

EX) Price Output Format = 2



► Printing Output 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.

2.7.4.2 Delete Currency (Menu code 1443)

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

1. Currency number to delete

EX) Delete Currency no. 2

2 PRINT



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

2.7.5 Job Batch Schedule (Menu code 1450)

(MENU → 4. Store Data Table → 5. Job Batch Schedule)

This function is used to print the label in large number for the pieced products or to sell several pieced products that have been packaged into a set.

2.7.5.1 New/Edit Job Batch Schedule (Menu code 1451)

(MENU → 4. Store Data Table → 5. Job Batch Schedule → 1. New/Edit Schedule)

1. Job Batch No.

• Enter the number of Job Batch Schedule to create.

You can use 1-10.

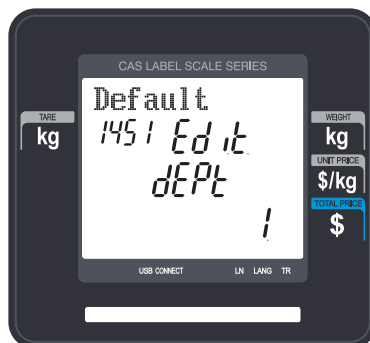
2. Department No.

• Enter the number of Department to call.

1 PRINT



1 PRINT



3. PLU No.

- Enter the number of PLU to call.



4. Label Print Quantity

- Enter the total number of label printing to print.
You can enter 1-99.



Note : This PLU must belong to count or PCS type

2.7.5.2 Delete Job Batch Schedule (Menu code 1453)

(MENU → 4. Store Data Table → 5. Job Batch Schedule →
3. Delete Schedule)

1. Job Batch Schedule number to delete

EX) Delete Job Batch Schedule no. 2



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

2.7.6 Scanner (Menu code 1460)

(MENU → 4. Store Data Table → 6. Scanner)

This menu is used to make barcode scanning sale available or just to call up PLU. These are operable functions and setting methods when using by connecting the barcode scanner to CL3000 series.

2.7.6.1 New/Edit Scanner Conversion Table (Menu code 1461)

(MENU → 4. Store Data Table → 6. Scanner →
1. New/Edit Conv Table)

This is Mapping Table between each scanned bar code and each PLU number.

1. Setting up scan code No

Maximum number of Conversion Table. Index is 1999

2. Setting up mapping Code

Enter the number ranged between 1 and 13.

3. Setting up department No

Enter the Department number of the PLU to be mapped.

4. Setting up PLU No

Enter the PLU number to be mapped.

EX)

Index	The value to be compared with data from a bar code	Department and PLU no. to be mapped	
Code No	Mapping Code	Department No	PLU No
1	2855551	1	1
2	2855552	1	5
~	~	~	~
1999	2867890	1	220

2.7.6.2 Delete Scanner Conversion Table (Menu code 1463)

(MENU → 4. Store Data Table → 6. Scanner →
3. Delete Conv Table)

1. Enter the number of Conversion Table to be deleted

EX) Delete Conversion Table no. 2



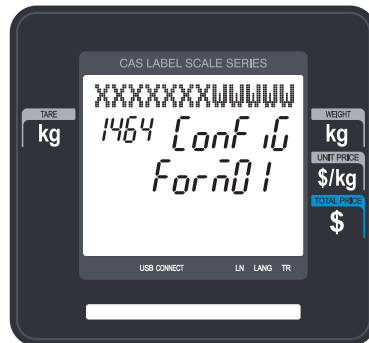
Note: There is no confirmation request when deleting a Table No. Pressing the PRINT key will cause the Conversion Table No. entered to be deleted.

2.7.6.3 Scanner Config (Menu code 1464)

(MENU → 4. Store Data Table → 6. Scanner → 4. Scanner Config)

1. The way to set up Scan Form

Enter defined 13-digit number or letter that scanner can recognize. Assigned representative characters are written below.



-“X” character : It must be the number of same digit length as “Mapping Code”, that you entered above, has.

-“W” character : It represents weight date.

Any other symbol than “X”, “W” is ignored when scanning.

Example 1) Scan Form : [XXXXXXXXWWWWWC]

- From 1 to 7 digits“XXXXXXX”calls PLU comparing with Mapping Code entered above 4).

- From 8 to 12 digets“WWWWW”shows the value of weigh.

Example 2) Scan Form : [00XXXXX000000]

- From 3 to 5 digits “XXXXX” calls PLU by comparing with Mapping Code. At this time, you must enter 5 digits as Mapping Code in menu1461.

Example 3) Scan Form : [XXXXXXXXXXXXXX]

- The 13 digits bar code is calls PLU by comparing with Mapping Code. At this time, you must enter 13 digits as Mapping Code at menu 1461.
- It is possible to enter codes by using barcode scanner.

2.7.7 Label Format Key Table (Menu code 1470)

(MENU → 4. Store Data Table → 7. Label Format Key Table)

There is a function to change label format and Barcode by using function key. This menu is used to set this function. You can use this function, after assigning empty key to that Function Key(83-90).

1. Label Speed Key

Enter the number 1-8 you want.



2. Label #.

Enter the label number to be assigned that function key.



3. PLU Barcode No.

Enter the barcode number to be assigned that function key.



2.8 Programming Global Setting

The Global Setting function is used to program functions of the CL3000 series 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.

2.8.1 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 1~30 are Fixed Label Formats and can not be modified.
Formats 51~99 are Free Formats that may be created using the CL-Works PC Program and downloaded to the CL3000 series.

- ◆ 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

- If you use Global Label, enter 1.
If not, enter 0.

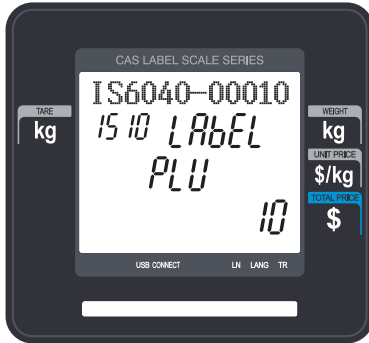


- Note: If you have selected to use a Global Label Format, the Label Format that is programmed in each PLU will be ignored and the Global Label Format selected in the next step will be used for every PLU.

2. Set PLU label No.

- Set PLU label number

EX) PLU Label No. = 10. IS6040-00010(60x40)



3. Set Miscellaneous label number

- Set label format for miscellaneous item.

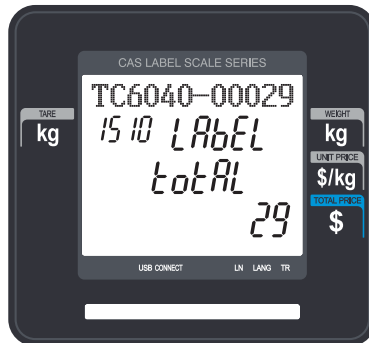
EX) Misc. Label No = 10. IS6040-00010(60x40)



4. Set total label number

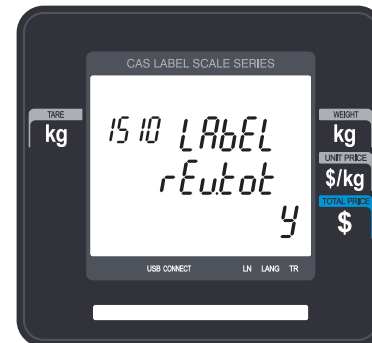
- Set label format of total label for Add-Up sales.

EX) Total label No. = 29 , TC6040-00029(60x40)



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. Input Label #2

EX) Label2 #: [11]



If you do not wish to use the label #2, simply input '0'. It operates in the same manner as the Aux.Label of the PLU input items. If the Aux.Label No. of PLU has already been registered, print with the corresponding label number, and if not, output the inputted Label #2

8. Input Ext. Label name



9. Exit menu

- If you want to exit, press ESC key.



2.8.2 Barcode Format (Menu code 1520)

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

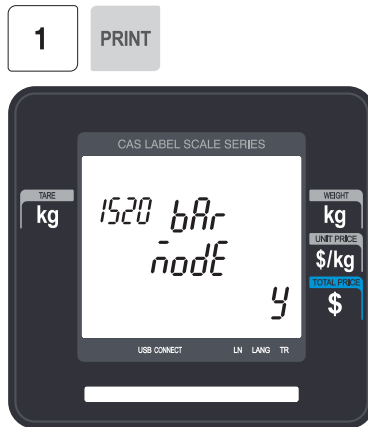
Global Barcode Setting provides all-in-one barcode setting by selecting nine different barcode options so that user does not need to save data for individual PLUs one by one. All related barcode data are selected and saved from PLU barcode data table user may already register.

◆ 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



2. Set barcode number for by-weight PLU

EX) PLU Weight barcode No. = 2



3. Set barcode number for by-count PLU Misc. item

EX) PLU Count barcode No. = 2



4. Set barcode number for by-PCS PLU

EX) PLU PCS barcode No. = 2



5. Set barcode number for fixed PLU

EX) PLU fixed barcode No. = 2



6. Set barcode number for Misc. weight item

EX) Misc. weight barcode No. = 2



7. Set barcode number for Misc. count item

EX) Misc. Count barcode No. = 2



8. Set barcode number for Misc. PCS item

EX) Misc. PCS 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. Set barcode2 number

EX) PLU Weight barcode No. = 2



Note: Barcode 2 will be printed only if it is a label with barcode 2 field.

If you do not wish to use barcode2, you simply enter '0'.
 It operates in the same manner as the Barcode2 No. of the PLU input items.
 If the Barcode2 No. of PLU has already been registered, then, it prints the corresponding barcode, and if there is no inputted number, then, barcode of the number inputted here will be outputted.

12. Exit menu

- If you want to exit, press ESC key.



2.8.3 Tax (Menu code 1540)

(MENU → 5. Global Setting → 4. Tax)

This menu is to set up function about Global Tax.

2.8.3.1 Set Global Tax (Menu code 1541)

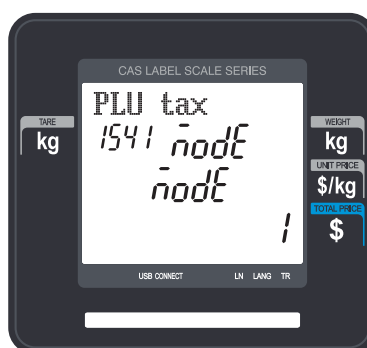
(MENU → 5. Global Setting → 4. Tax → 1. Set Global Tax)

1. Setting up Global Tax

1 PRINT

It sets up the applied tax when product sales.

- 0 : Do not Use all Tax
- 1 : PLU tax only
- 2 : Global Tax only



2.8.3.2 Global Tax Number (Menu code 1542)

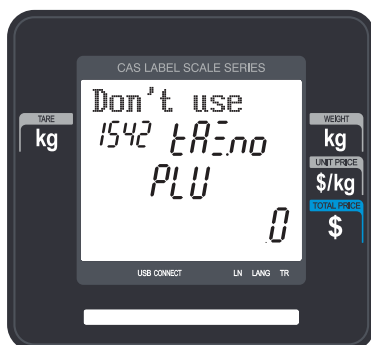
(MENU → 5. Global Setting → 4. Tax → 2. Global Tax No.)

1. Set up Select Tax No.

It sets up the kind of global tax when product sales.

- 0 : Do not use tax
- 1 ~ 9 : Select registered tax
(Selection among tax at registered menu 1230, 9 options)

0 PRINT

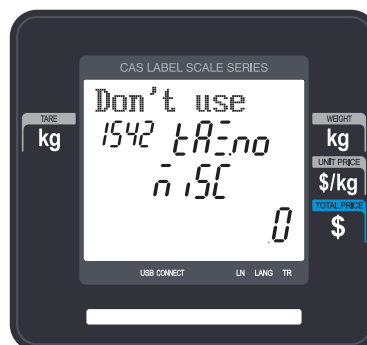


2. Set up Misc Tax No.

It sets up the kind of tax to apply to Misc by Weight, Misc by count, Misc by PCS.

- 0 : Do not use Misc tax
- 1 ~ 9 : Select registered tax
(Selection among tax at registered menu 1230, 9 options)

0 PRINT



2.9 Printing Programming(Menu code 1700)

(MENU → 7. Print)

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

▶ PRINT Submenu

No	Submenu	Description
1	ITEM	Select item(s) which is(are) not printed on label.
2	MARKDN	Markdown. Select “Yes” or “No” to print both of original and discount information on the label.
3	HW-SET	Print Hardware. Set the label type and sensor of printer
4	S-FORM	Serial Number Format. Set the format of serial number to print label or ticket
5	ADDUP	Select add-up total label whether is printed or not
6	TICKET	Set printing item for ticket

2.9.1 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.

- ◆ 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 Label Item

No	Item	Description
1	D.NAME	Department Name
2	DEPT.NO	Department Number
3	GR.NO	Group Number
4	PLU NO	PLU Number
5	NAME1	PLU Name 1
6	NAME2	PLU Name 2
7	NAME3	PLU Name 3
8	I.CODE	Item Code
9	U.WT	Unit Weight
10	TAX.RT	Tax Rate
11	TAX.PR	Tax Price
12	TARE	Tare Weight
13	PCS	Pieces
14	SYMBOL	Unit Symbol
15	S.DATE	Sell By Date
16	S.TIME	Sell By Time
17	P.DATE	Packed On Date
18	P.TIME	Packed On Time
19	PR.DATE	Produced Date
20	C.DATE	Cook By Date
21	BONUS	Bonus Point
22	ORIGIN	Origin
23	MSG	Ingredient
24	SMSG	Sales Message
25	NET.WT	Refer. Net Weight
26	GRS.WT	Refer. Gross Weight
27	PR.TARE	Percent Tare
28	PR.LIMIT	Percent Tare Limit
29	SAVED	Saved Price
30	SERIAL	Label Serial
31	STORE	Store Name
32	CL.NO	Clerk Number
33	CL.NAME	Clerk Name

34	CU.NAME	Customer Name
35	CU.NO	Customer Number
36	SCL.NO	Scale Number
37	WEEK	Day of Week
38	CUR.RAT	Currency Rate
39	TOTAL2	Second Total Price
40	UPRIC2	Second Unit Price
41	TRACE	Traceability
42	NUTRI	Nutrition Fact
43	L.CAP	Label Caption
44	TOT.TAX	Total Tax Price
45	ADD.TOT	Second Add Total
46	BAR	Barcodes
47	IMAGE	Image

2.9.2 Markdown (Menu code 1720)

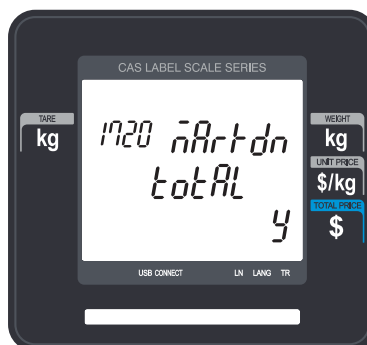
(MENU → 7. Print → 2. Mark down)

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	Total Price Markdown Select "Yes" to display both of original total price and the discounted total price if any. Otherwise, select No.
2	UPRICE	Unit Price Markdown Select "Yes" to display both of original unit price and the discounted unit price if any. Otherwise, select No.
3	WEIGHT	Weight Markdown Select "Yes" to display both of original weight and the discounted weight if any. Otherwise, select No.
4	QTY	Quantity Markdown Select "Yes" to display both of original quantity and the discounted quantity if any. Otherwise, select No.

1. Select Yes or No by using 1 or 0 key



2. After setting all of above MARK DOWN sub-menus use “X/ESC” key or “SAVE” key to go back to PRINT Main menu.

2.9.3 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.

► Printer Hardware Sub-Menu

No.	Sub-menu	Description
1	MODE	Select label, ticket or continuous label mode.
2	SIZE	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(30)” 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	SEN.CAL	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	SEN.MOT	Sensor & Motor Set Peel-off sensor and Label Paper type
5	INTENS	Print Intensity Set the extent of intensity of label (ticket) printed.

6	ADJUST	Set adjusting values of feed length. This value can be from 0 to 400. You can change. * Pressing "TEST" key automatically feeds to adjust the feed length.
7	PREPRT	You can set label preprint length.
8	R-FEED	Set adjusting values of reverse feed length. This value can be from 0 to 400. You can change.

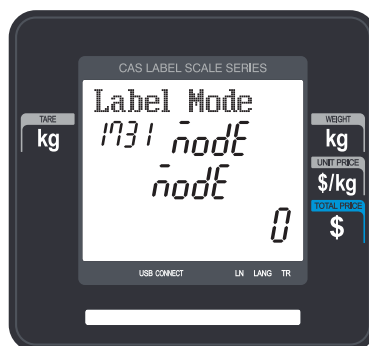
2.9.3.1 Print Mode (Menu code 1731)

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

Select "0" for Label Mode,
"1" for Ticket Mode or
"2" for Continuous Label Mode.

- Press "PRINT" to save.

PRINT



2.9.3.2 Label Size/Ticket Size (Menu code 1732)

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

Enter values for "Width", "Height", "Gap Length", "Feed" and "End Margin". If you press "TEST" key, height and gap length of current label is measured.

EX) Width = 60mm

EX) Height = 40mm



EX) Gap Length = 2mm



- If it is Ticket Mode, “TICKET SIZE” is displayed, and “TEST” key is not operated.
And “Feed”, “End Margin” instead of “Height”, “Gap Length” shows up.

EX) Width = 60mm



EX) Feed = 20mm



EX) End Margin = 30mm



- If it is Continuous Label Mode, “CONT. LABEL SIZE” is displayed, and “TEST” key is not operated. And “End Margin” instead of “Gap Length” shows up.

2.9.3.3 Sensor Calibration (Menu code 1733)

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

Enter appropriate values for “Gap”, “Peel”, “Out of Paper”.

- If you press “TEST” key, Gap and Peel values are adjusted automatically.
- If it is Ticket mode, “Gap” value is not saved.



2.9.3.4 Sensor & Motor (Menu code 1734)

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

Enter appropriate values or “Yes” or “No” for “Active peel-off”, “Label paper”, and “Active Head up sensor”.

- If there is no gap on a label, set Label Paper to 0, if there a gap, set it to 1.



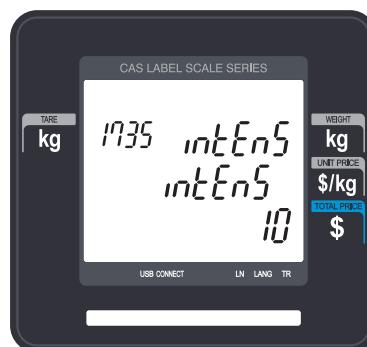
- When “Ticket Mode” is in “Print Mode”, [Peel-off] and [Label Paper] do not work.



2.9.3.5 Print Intensity (Menu code 1735)

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

Enter any value from “0” to “20”.
Press “TEST” to test printing a label.



2.9.3.6 Adjust Feed Length (Menu code 1736)

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

Enter any value of the feed alignment from “0” to “400”.
Press “TEST” to test feed or “ENTER” to save current “FEED” Length value.

- 1pixel = 0.125mm

Ex) “280” will print 10mm higher.



2.9.3.7 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”.

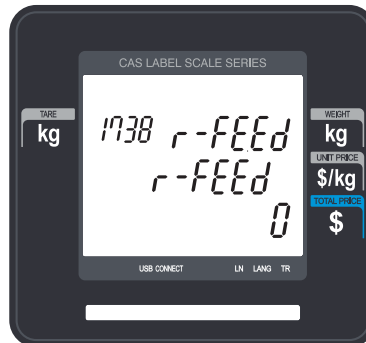
Press “TEST” to test preprinting.



2.9.3.8 Adjust Reverse Feed Length (Menu code 1738)

(MENU → 7. Print → 3. Printer Hardware → 8. Adjust Reverse Feed Length)

Enter any value of the reverse feed alignment from “0” to “400”.



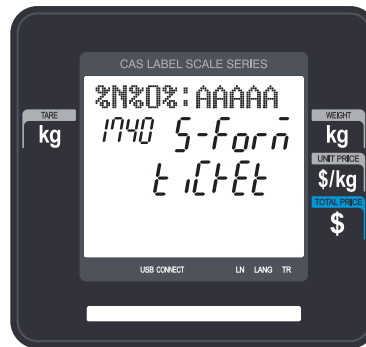
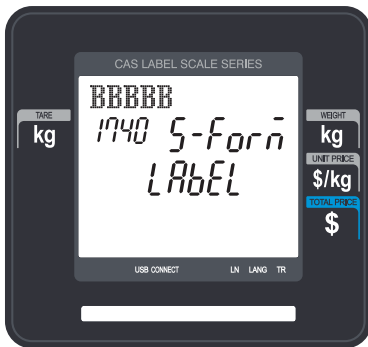
After setting all of above H/W setting submenus use “X/ESC” key to go back to PRINT main menu



2.9.4 Serial Number Format (Menu code 1740)

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

SERIAL NUMBER FORMAT programming is for numbering of label/ticket issued (printed) on label/ticket. User may identify daily total counts of label/ticket used up.



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)

2.9.5 Add-Up Total (Menu code 1750)

(MENU → 7. Print → 5. Add-up Total)

This section shows how to set printing environments of total label and item label when you use ADD-UP sales.

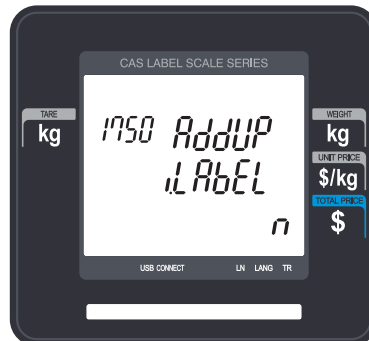
- ① Press “5” to get into ADD-UP TOTAL menu in PRINT main menu.



- ② Press “0” for “No” or “1” for “Yes” in [].
EX) Print Total Label?? – Yes



- EX) Print Item Label?? – No



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



► Add-up setting

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

※ It is applied to Label mode.

2.9.6 Ticket (Menu code 1760)

(MENU → 7. Print → 6. Ticket)

This section shows how to select item(s) (Contents) printed on ticket.

① Press “6” to go to TICKET setting.



2.9.6.1 Select Ticket Item (Menu code 1761)

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

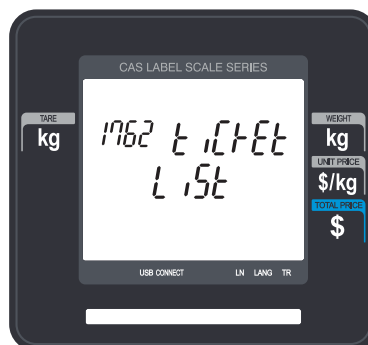
① Press “1” to go to SELECT TICKET ITEM menu.



2.9.6.2 Select List Item (Menu code 1762)

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

① Press “2” to get into SELECT LIST ITEM menu.



► Ticket Format Setting

	Display	Ticket Format Setting	Description
Ticket Item	LIST	Print. List	It outputs product list (Detailed item can be set in the following menu, 1762) ■ Printing the list of each sales item(s). * In case of "Yes" selected user can go to "List Item" setting.
	T.BAR	Print. Total Barcode	It outputs the TTL barcode set at the global barcode ■ Printing total barcode on ticket.
	T.LABEL	Print. Total Label	It outputs the Total label set at the global label format. ■ Printing total amount on ticket.
	DUP.TIC	Print. duplicate ticket	All ticket sections with exclusion of the product list are outputted once more. ■ Printing duplication of ticket
	D.LIST	Print. List (D. ticket)	Same ticket including the product list is issued twice (Print Duplicate Ticket must be set at 'Y' for it to be usable) ■ Printing List of items on duplicated ticket Note : N=Printing amount of only total price for duplicate ticket
List Item	STORE	Print. Store Name	■ Printing store name on ticket.
	CLERK	Print. Clerk Name	■ Printing clerk name on ticket.
	I.BAR	Print. Item Barcode	■ Printing every item s barcode on ticket.
	TAX.INF	Print Tax Information	■ Printing tax information on ticket.
	TRACE	Print. Traceability	■ Printing traceability information on ticket
	HEAD.NO	Ticket Head Form No.	■ Printing label format No. for ticket head.
	TAIL.NO	Ticket Tail Form No.	■ Printing label format No. for ticket tail.
	HEAD.MS	Ticket Head Message :	■ Printing message for ticket head.
TAIL.MS	Ticket Tail Message :	■ Printing message for ticket tail.	

※ You have to download label format for Ticket Head Form No. and Ticket Tail Form No. from PC.

2.9.6.3 Select Ticket Font Size (Menu code 1763)

(MENU → 7. Print → 6. Ticket → 3. Select Ticket Font Size)

It can designate the size of the letters of the item that is printed in the ticket.

▶ Ticket Font Size Setting

Display	Ticket Font Setting	Description
PLU	PLU Name	■ Adjust size of product number name
TRANS	Transaction Data	■ Adjust size of price of unit price weight unit product
TOTAL	Total Value	■ Adjust the size of total price
SERIAL	Ticket Serial No.	■ Adjust the size of ticket issuance number

It can designate from 0 to 3.

※ Size of Subtotal, Tax information, Payment and Print Label cannot be adjusted

2.10 Programming Scale Configuration (Menu code 1800)

(MENU → 8. Scale Config)

This chapter explains how to configure the scale.

2.10.1 Sale Mode (Menu code 1810)

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

This section is to select sale mode, which have seven different modes in the following table.

► Sale Modes

No.	Sale Modes	Description
1	Ticket & Floating	Selecting Ticket and Floating Clerk Mode.
2	Label	Selecting Label Mode.
3	Prepack	Selecting Prepack Mode.
4	Label & Floating	Selecting Label and Floating Clerk Mode.
5	Manager	Selecting Manager Mode
6	Repack	Selecting Repack Mode (In this mode, report is not updated.)
7	Self & Label	Selecting Self Service Mode (In this mode, you can use speed key and some keys. If you want to finish this mode, while pressing MENU key, enter system password and PRINT key)

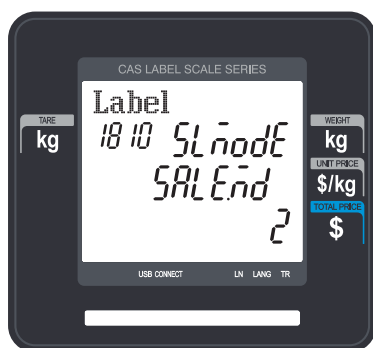
- Selecting one of following sale modes, user may select an one-stop setting for Clerk, Operation, Print, and Prepack mode.

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

Usually user has to set each option you wish to for clerk, operation, print or prepack mode. However, user may select simply one-stop sales mode for 7 different modes-Clerk, Operation, Print, and Prepack mode. User may also set options for Clerk/Operation mode in MENU 1820 and Print/Prepack mode in MENU 1731.

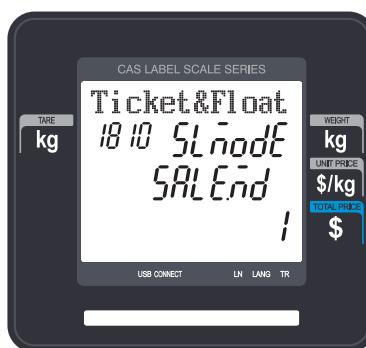
1. Select a sale mode

EX) Sale mode = 2. Label



2. Select "Floating & Ticket" mode

EX) Sale mode = 1. Ticket & Floating



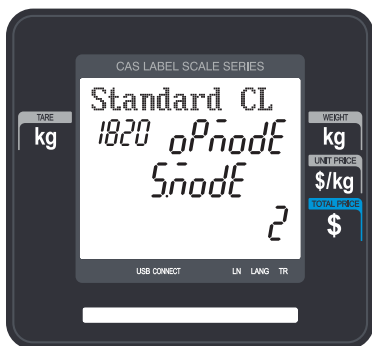
2.10.2 Operation Mode (Menu code 1820)

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

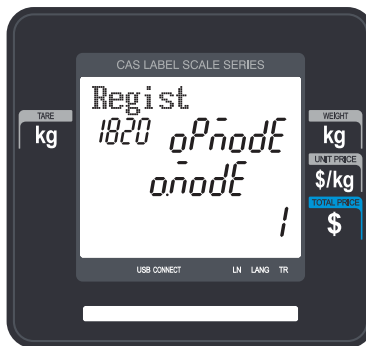
This section is to select a clerk and operation mode. There are three different operation modes, REGISTRATION, RE-PACK, MANAGER and three different clerk modes, NO CLERK, STANDARD CLERK, and FLOATING CLERK.

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

EX) Clerk Mode=Standard Clerk



EX) Operation mode=Registration



► Clerk Modes

No	Clerk Modes	Description
1	No Clerk	Sales clerk do not log in and makes sales using PRINT key.
2	Standard Clerk	Sales clerk can make sales when he/she logs in.
3	Floating Clerk	Plural sales clerks can make sales using own clerk ID.

► Operation Modes

No	Operation Modes	Description
1	Regist	Normal sales mode.
2	Repack	Normal sales mode but not included in total sales data(report). Good for clerk training.
3	Manager	In this mode user can access all of functions without any permission.

2.10.3 Department (Menu code 1830)

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

This section shows how to select current department where scale is being used. User can use (call up) PLUs only for current department selected in sales mode. For example, if current department selected is GROCERY user can call up items registered only in GROCERY department. If user would like to use PLUs registered in other department than current department he/she should change scales department setting. Store No. represents Store Name (or branch number) on label/ticket printed.

1. Select “DEPARTMENT No.” and “STORE ID”.

EX) DEPARTMENT No.= 2 (Grocery)

EX) STORE No.= 1 (Branch #1)



2.10.4 Date & Time (Menu code 1840)

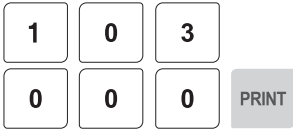
(MENU → 8. Scale Config → 4. Date/Time)

This section is to set scale s DATE & TIME appropriately.

1. Set appropriate “DATE”, “TIME”, and “MONTH FORMAT”.



EX) TIME= [10:30:00]



EX) Month Format(1=12)= [1]



2. Set “YEAR FORMAT”, TIME FORMAT and separator for “DATE”.

EX) Year Format (0=2001, 1=01) = [1]



EX) Time Format(0~3) = [1]



EX) Date Separator = [-]



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

EX) Time Separator = [:]



Please refer to “ASCII Code Table” (chapter 4.4) to input special characters in Date or Time separator.

4. Press “PRINT” key to save it and go out to SCALE CONFIGURATION main menu.

2.10.5 User/ Security Configuration (Menu code 1850)

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

This section is to create, edit, change, delete clerk’s security information and configure security level.

2.10.5.1 New/Edit User (Menu code 1851)

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

Enter appropriate user data for clerk number, clerk name, nick name, clerk password, clerk level, and use for training.

EX) CLERK No.=[2],

EX) CLERK NAME =[CHRISTOPER],



EX) NICKNAME =[CHRIS],



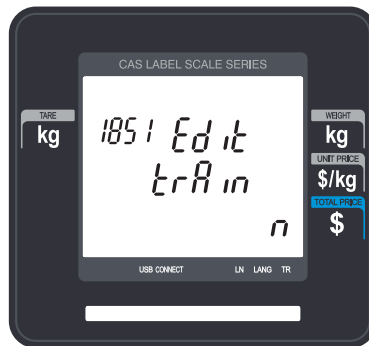
EX) CLERK PASSWORD =[0117],



EX) CLERK LEVEL =[3],



EX) USE FOR TRAINING = [N]



Note: If you use floating mode, you have to register all clerks.

► NEW/EDIT USER in USER'S Security Condition

No	Display	Description
1	NO	Clerk No. This value can be from 1 to 99.
2	NAME	Clerk Name. This value is available up to 22 characters.
3	NICK	This value is available up to 7 characters. It can be printed on a label and displayed on the scale.
4	PASSWD	Clerk Password , 4 digit (alphanumeric)
5	LEVEL	Clerk Level, 0~3 level
6	TRAIN	Use Training account

Password: When you enter the password, you have to type clerk number(2digit) and password(4 digit). For example, if your clerk number is 20 and password is 1234, you have to type 201234. Minimum password is 3 digit and maximum password is 6 digit. If there is no level 3 clerk, you can use default value. (Clerk No:1, password:1, Level:3) Therefore default password is 011.

- You have to set a level 3 clerk. If there is no level 3 clerk, you can use default password(011) and if any, you cannot use it.

Clerk level: This value can be from 0 to 3. This level is related to menu 1855(Config permission). If clerk 2 is set to level 2, this clerk can use the function which is set to level 1, 2 in menu 1855 and cannot use the function which is set to level 3.

Level	Description
0	It is assigned to employees who is registered but do not use scale.
1	Lowest level. Normal employees are assigned to level 1.
2	It is proper for chief clerk.
3	Highest level. It is proper for store manager.

2.10.5.2 Change Password (Menu code 1852)

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

1. Enter password.

- Clerk No. (2 digit) + password (4 digit)

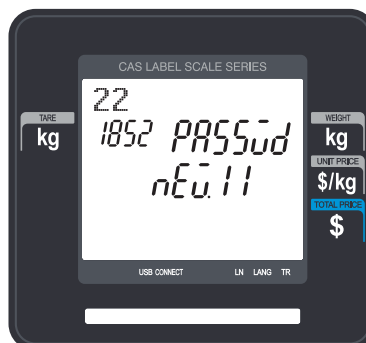
EX) CLERK No.=1 , PASSWORD =2 ->
012
CLERK No.=11 , PASSWORD =22 ->
1122
CLERK No.=36, PASSWORD =1234
➔ 361234



2. New Password

- Enter new password

EX) CLERK ID =11, PASSWORD = 22



2.10.5.3 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



2.10.5.4 Config Permission (Menu code 1855)

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

Permission level is related to clerk level and if the clerk level is lower than permission level, this clerk cannot access that function. Refer to clerk level on chapter 2.14.5.1

※ If permission level is "0", all clerks can access this function.

EX) If you set permission level to 2 for price change key and clerk 1 is set to level 1 and clerk 2 is set to level 2, clerk 1 can not use this key but clerk 2 can use this key

► Setting Configuration Permission

No	Display	Description
1	Item	Set a Permission level for PLU Change Key. (You can define this function key in menu 1881 on chapter 2.14.22)
2	Pr.key	Set a Permission level for price change Key.
3	Dept	Set a Permission level for department Change Key.
4	Pay	Set a Permission level for Pay Key.
5	Date	Set a Permission level for data Change Key.
6	Type	Set a Permission level for PLU type Change Key.
7	PLU	Set a Permission level for Selecting PLU item.
8	Weight	Set a Permission level for In-weight key.
9	DC	Set a Permission level for discount.
10	Clerk	Set a permission level for password in floating mode
11	Void	Set a permission level to void item
12	Add up	Set a permission level for add-up sales

No	Display	Description
13	Return	Set a permission level to return item
14	Ovride	Set a permission level to override price
15	Cashdw	Set a permission level to open cash drawer
16	Menu	Set a permission level to go to program menu
17	P.menu	Set a permission level to edit PLU
18	Price	Set a permission level to change price
19	Global	Set a permission level for global setting
20	X repo	Set a permission level for X report
21	Z repo	Set a permission level for Z report
22	Store	Set a permission level to edit store data
23	Tax	Set a permission level to edit tax
24	Scale	Set a permission level for scale configuration
25	Table1	Set a permission level to edit data table 1.
26	Table2	Set a permission level to edit data table 2.
27	Print	Set a permission level for printer setting
28	Oper	Set a permission level to change operation mode
29	Param	Set a permission level to change user parameter
30	Comm	Set a permission level for communication setting
31	Save	Set a permission level for Save Key
32	Reopen	Set a permission level for reopen sale

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.

2.10.5.5 Clerk Key (Menu code 1856)

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

You can assign Clerk key to clerk. There are 64 Clerk keys and you have to set these keys in menu 1881 (Key define). See chapter 2.14.8.

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



For example if you set "A" key to clerk 2 in menu 1881 (Key define), and call up a PLU and press "A" key in floating sale mode, it is recognized that clerk no. 2 (LEE) sold this item.

2.10.6 Test (Menu code 1860)

(MENU → 8. SCALE CONFIG → 6. Test)

This programming is to test the scale by itself in the 8 fields such as DISPLAY, A/D, KEYBOARD, CHESS PRINTER, PRINTER SENSOR, MEMORY INFORMATION, FIRMWARE VERSION and COMMUNICATION.

- ① Press "6" to get into TEST menu.



2.10.6.1 Display Test (Menu code 1861)

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

To test the display, press “1” on Test menu screen. It automatically tests it. You can exit from testing, by pressing “X/ESC” key.

2.10.6.2 A/D Test (Menu code 1862)

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

To test the A/D, press “2”

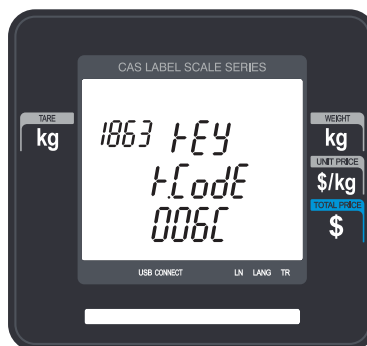


To set zero press “ZERO”
User may exit from this menu, using “X/ESC” key

2.10.6.3 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.



2.10.6.4 Chess Printer Test (Menu code 1864)

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

Press “TEST” key to test printing a label.



2.10.6.5 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 scale shows the conditions of current printer.





► Printer Sensor Test Items

No	Test Items	Description
1	Peel-off	To test that peel-off sensor is properly work.
2	Head-up	To test that TPH is opened or not
3	Gap	To show real time Gap sensor's value.
4	Peel	To show real time peel off sensor's value.
5	Temp	To show TPH's temperature value.

2.10.6.6 Firmware Version (Menu code 1867)

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

You can check firmware version of the scale.



2.10.6.7 Communication (Menu code 1868)

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

You can test communication.

2.10.7 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)	P.SCROL	Y/N	Setting whether scroll message is showed up or not when PLU is called.
2. Print (Menu code :1872)	LABEL	Y/N	Do not use rewind function when you use "X" key in label mode
	ORIGIN	0: Do not print 1: Print in Name 1 2: Print in Name 2 3: Print in Name 3	Print origin in commodity line.
	SYMBOL	Y/N	Print Qty Symbol in qty area.
	PCS	Y/N	Print Pieces in unit price area.
	ALL.REP	Y/N	Print all report within range
	AT.BAR	0: Not use 1: Price Auto Code 2: weight Auto Code	Selection the way and whether using Swedish automatic bar code function
	PREPAK	0: Not use 1: alphabet 2: day (Mon, Tue...) 3: day, year	Setting up the print prepack type when packing date is printed
	RETURN	0: Do not print 1: Print	Print return list when it returns.
	LABEL.0	Y/N	Print, even Label No. is 0.
	TOT.LAB	Y/N	Print Total label continuously
3.Sale (Menu code:1873)	UPRICE	Y/N	Save unit price change.
	TYPE	Y/N	Save type Change in PLU
	SAVE.MD	Y/N	Save mode is active when you turn on the scale.
	CLRPLU	Y/N	PLU is cleared after printing even though there is an item on the platter.
	MICS.CT	Y/N	If you enter count, it is considered that misc. Count condition when there is no Misc. Key
	MISC.WT	Y/N	If there is an item on the platter, it is considered that misc. weight condition when there is no Misc. Key
	IN.TAX	Y/N	Tax is include in total price
	SH.KEY	Y/N	Use shift key instead of return key.
	DB.KEY	0~2 0 : Not use 1: double click 2. toggle	Set double speed key type
	DB.DLAY	1~15	Set delay time to allow 'Double Key', when press key twice.
	DB.DATE	Y/N	If you double-click DATE/TIME key, command window will be appear.
	X-KEY	Y/N	Setting up to print discounted product label repeatedly
AUTO.MD	Y/N	Setting up to select whether it start with Auto Mode when it boots.	
Q-PLU	Y/N	Quick PLU. Once you press the number key, PLU is called immediately.	
4.Clerk (Menu code:1874)	LOGOUT	Y/N	After Printing label, automatically Clerk Log off
	LO.TIME	1~999	Set clerk log out time.(0.1s)

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.

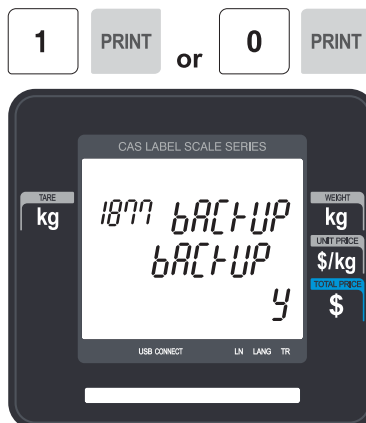
2.10.7.1 Backup to USB Memory (Menu code 1877)

(MENU → 8. SCALE CONFIG → 7. Scale Parameter →
7. Backup to USB Memory)

After connecting to USB, Select Yes or No by using “1” or “0” key.

If you press “1” key in “Backup to USB” menu, backup file(*.dat) going to be created in USB.

If file already exists, data will be overwritten.



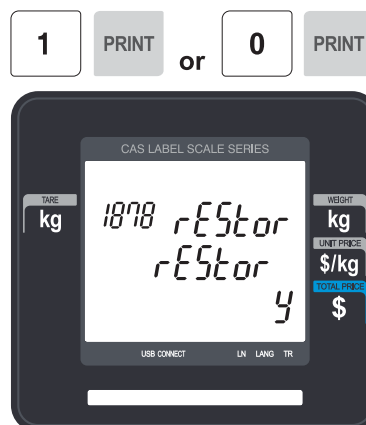
2.10.7.2 Restore from USB Memory (Menu code 1878)

(MENU → 8. SCALE CONFIG → 7. Scale Parameter →
8. Restore from USB Memory)

After connecting to USB, Select Yes or No by using “1” or “0” key.

If you press “1” key in “Restore from USB” menu, Backup data(in USB) overwrite to scale data.

After this process, Scale will be restarted.



2.10.8 Function Key Define (Menu code 1880)

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

2.10.8.1 Function Key Define (Menu code 1881)

(MENU → 8. SCALE CONFIG → 8. function Key Define →
1. 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

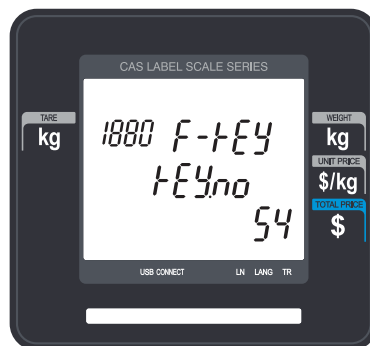
Pole type : 72 Speed Keys

Standard type : 54 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 (Display Reset)

Refer to below table.



► 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

Function Key	Define	Description
10	[IN WEIGHT]	IN Weight Key
11	[LABEL/TICKET]	Toggle between the Label and Ticket
12	[DISPLAY RESET]	Display refresh
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
29	[BATCH]	Batch Printing
31~39	[TARE KEY1~9]	Call Tare Table
40~42	[UNIT1~3]	Weight Unit Key kg : unit1=1 kg, unit2=100 g, unit3=N/A lb : unit1=1 lb,unit2=1/2 lb,unit3=1/4 lb
43	[KGLB]	Toggle between the Kg and Lb
44	[PACKDATE]	Pack Date Change Key
45	[TICKET NO]	Edit Ticket Serial Number(Master scale) input range : 1~99999
50	[PRINTDATE]	Print Date On, Off
50~82	[CLERK(V1~V32)]	Clerk key
83~90	[LABEL1~8]	Label Change Key
91	[EDIT TAX]	Tax Change Key
92	[EDIT TRACE]	Traceability Change Key

93~124	[CLERK(V33~64)]	Clerk key
125	[SCAN CLERK]	Select the scan clerk

Function Key	Define	Description
126	[BARCODE]	Input barcode number Key
127	[EDIT INGREDIENT]	Edit ingredient Key
128	[LARGE MSG CALL]	Large Message Call Key
129	[SALE SPECIAL]	Change Special Unit Price Key
138	[CUSTOMER NO]	Customer No. Input Key
139	[CUSTOMER CLOSE]	Customer No. close Key
140	[REOPEN]	Reopen Key
141~145	[DISC 10% ~ 50%]	10%~50% discount key
155	[RETURN]	Return key
169	[AUTO]	Auto, pre-pack key
170	[DATE/TIME]	Change display content of DATE/TIME area
171	[GLOBAL_TAX]	Apply Global TAX on current PLU temporary
172	[GLOBAL_LABEL]	Apply Global Label and Barcode(toggle)
173	[MULTI PRINT]	Print multiple label
181	[FEED]	Label feed key
182	[PREPACK]	Prepack key
183	[NETWEIGHT]	Prepack key
184	[ZERO]	Zero Setting
185	[TARE]	Tare Setting
186	[EDIT KEY]	Edit Speed Key Config
187	[SHIFT]	SHIFT Key
188	[CLEAR]	CLEAR Key
189	[PRINT]	PRINT Key
0 or 9999		PLU Key

2.10.8.2 Function Key Block (Menu code 1882)

(MENU → 8. SCALE CONFIG → 8. function Key Define →
2. Function Key Block)

You can block each function keys. (Chapter 1.6 KEY FUNTION)

1. Enter function key

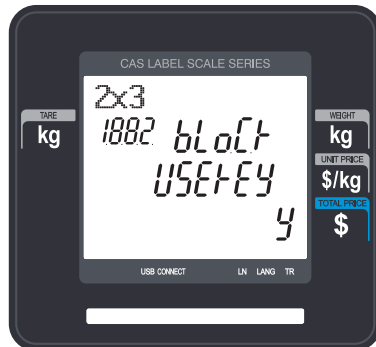
Select the function key which you don't want to use. If you press function key, the display shows the key code of that function key.

EX1) Press "AUTO" key and "PRINT" key.



2. Select Yes or No

EX1) Select Yes or No by using "1" or "0" key.



2.11 Report

2.11.1 Introduction

X mode is used to read (i.e. print and display) sales data. The X1 report allow you to print report at any time for either of the reporting period. The time period combination you chose is completely dependent upon how you use Z1

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

2.11.2 Report Menu (Menu code 1600)

(MENU → 6. Report)

No.	Display	Submenus	Description
1	X1-REP	X1 Report	Print and display sales data of period 1
2	Z1- REP	Z1 Report	Print, display and clear sales data of period 1
3	CLEAR	Clear All	Clear all reports of period 1
4	PEND.TR	Non-sending Report	Display and clear remained data

2.11.3 X1 Report (Menu code 1610)

(MENU → 6. Report → 1. X1 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

2.11.4 X1 Scale Sales Report (Menu code 1611)

(MENU → 6. Report → 1. X1 Report → 1. Scale)

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



To print this report, press “TEST” key.



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



► Sample(Label) - Scale Report

```

X1 SCALE REPORT
30-06-15 11:42 Last Reset : 24-06-15 14:31
SCALE #: 1
COUNT : 18 TOTAL : $ 401.40
QUANTITY : 10 WEIGHT : 16.912 Kg
    
```

► Sample(Ticket) - 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
=====
    
```

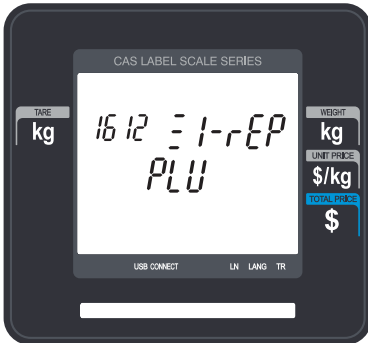
2.11.5 X1 PLU Report (Menu code 1612)

(MENU → 6. Report → 1. X1 Report → 2. PLU Report)

Press “2” key on X1 Report menu screen.

EX) department 1

1 PRINT



Enter PLU range to check.

EX) PLU 1 ~ 10

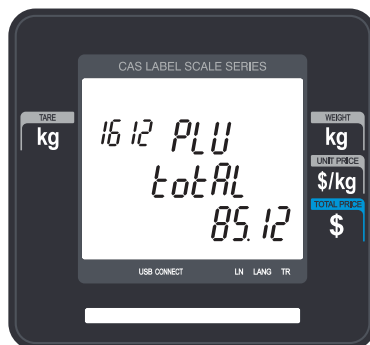
1 PRINT

1 0 PRINT



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

PRINT



To print report, press “TEST” key.

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



Note: PLU with no sales is not printed.

► Sample(Label) - PLU Report

```

X1 PLU REPORT
30-06-15 13:27 Last Reset : 24-06-15 14:31
PLU #: 1 ~ 50
COUNT : 18 TOTAL : $ 401.40
QUANTITY : 10 WEIGHT : 16.912 kg
    
```

► Sample(Ticket) - PLU Report

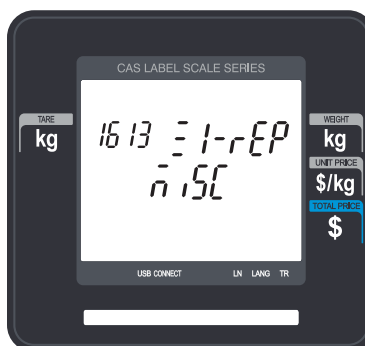
```

X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No: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
...
-----
=====
    
```

2.11.6 X1 Miscellaneous PLU Report (Menu code 1613)

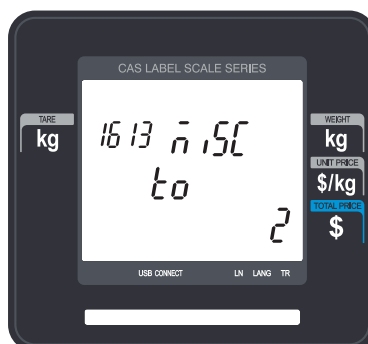
(MENU → 6. Report → 1. X1 Report → 3. MISC. PLU)

Press “3” key on X1 Report menu screen.

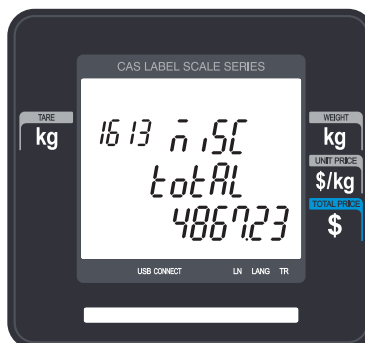


Enter the number to check.
0 : Miscellaneous by-Weight
1 : Miscellaneous by-count
2 : Miscellaneous by-pcs

Ex) Misc. by-weight, Misc. by-count, Misc. by-pcs



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.

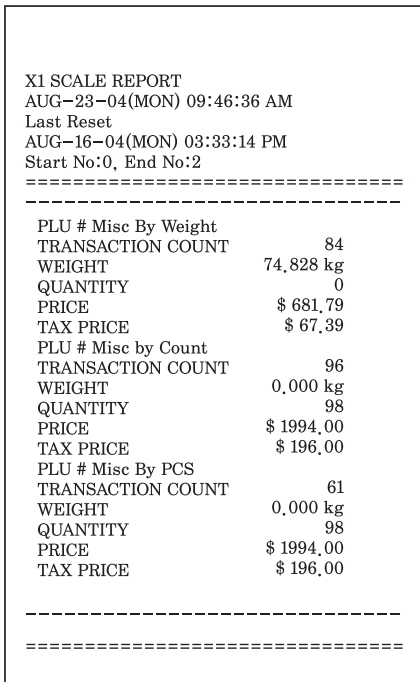


Note: Misc. PLU with no sales is not printed.

► Sample(Label) - Miscellaneous Report



► Sample(Ticket) - Miscellaneous Report



2.11.7 X1 Group Report (Menu code 1614)

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

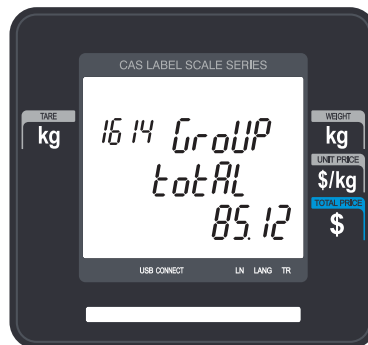
Press “4” key on X1 Report menu screen.



Enter group range to check
Ex) Group 0 ~ Group 23



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



To print report, press the “TEST” key.



To exit this menu, press “ESC” key.

Note: Misc. If the setting of MENU 1872, “ALL.REP” is “No”, the group with no sales is not printed. But if “Yes”, all group sales data within the range is printed.

► Sample(Label) - GROUP Report

X1 GROUP REPORT			
30-06-15	13:28	Last Reset :	24-06-15 14:31
GROUP #: 0			
COUNT	: 21	TOTAL	: \$ 482.19
QUANTITY	: 11	WEIGHT	: 21.218 kg

► Sample(Ticket) -GROUP 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

. . .	
=====	

2.11.8 X1 Department Sales Report (Menu code 1615)

(MENU → 6. Report → 1. X1 Report → 5. Department)

Press “5” key on X1 Report menu screen.



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, “ALL.REP” is “No”, the department with no sales is not printed. But if “Yes”, all department sales data within the range is printed.

► Sample(Label) - Department Report

X1 DEPARTMENT REPORT			
30-06-15	13:28	Last Reset :	24-06-15 14:31
DEPT # : 1			
COUNT	: 21	TOTAL	: \$ 482.19
QUANTITY	: 11	WEIGHT	: 21.218 kg

► Sample(Ticket) - 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		

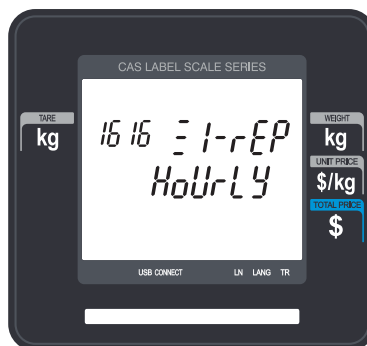
TOTAL COUNT		274
TOTAL PRICE	\$5993.70	
PREPACK COUNT		1
PREPACK PRICE		\$ 3.05
RETURN COUNT		0
RETURN PRICE		\$ 0.00

. . .		
=====		

2.11.9 X1 Hourly Sales Report (Menu code 1616)

(MENU → 6. Report → 1. X1 Report → 6. Hourly)

Press “6” key on X1 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, “ALL.REP” is No, the hour with no sales is not printed. But if “Yes”, all hour sales data within the range is printed.

► Sample(Label) - hourly Report

```
X1 HOURLY REPORT
30-06-15 13:10 Last Reset : 24-06-15 14:31
HOURLY #: 10 ~ 23
COUNT   : 21      TOTAL    : $ 482.19
QUANTITY : 11      WEIGHT   : 21.218 kg
```

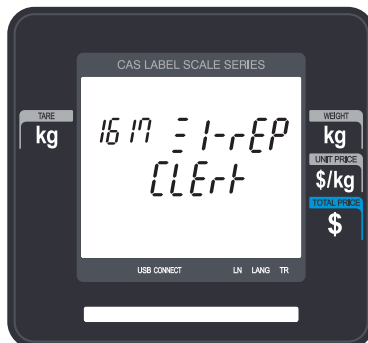
► Sample(Ticket) - hourly Report

```
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
=====
HOURLY #10
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT        1
PREPACK PRICE        $ 3.05
-----
HOURLY #11
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT        1
PREPACK PRICE        $ 3.05
-----
HOURLY #13
-----
TOTAL COUNT          274
TOTAL PRICE          $5993.70
PREPACK COUNT        1
PREPACK PRICE        $ 3.05
-----
. . .
=====
```

2.11.10 X1 Clerk Sales Report (Menu code 1617)

(MENU → 6. Report → 1. X1 Report → 7. Clerk)

Press “7” key on X1 Report menu screen.

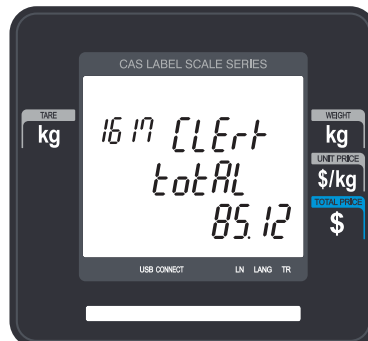


Enter clerk range to check.

EX) clerk 0 ~ clerk 32



You can see clerk 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, "ALL.REP" is No, the clerk with no sales is not printed. But if "Yes", all clerk sales data within the range is printed.

► Sample(Label) - Clerk Report

```
X1 CLERK REPORT
30-06-15 13:11 Last Reset : 24-06-15 14:31
CLERK #: 0
COUNT : 11          TOTAL : $ 282.19
QUANTITY : 1          WEIGHT : 21.218 kg
```

► Sample(Ticket) - 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
...
=====
```

2.11.11 Z1 Report (Menu code 1620)

(MENU → 6. Report → 2. Z1 Report)

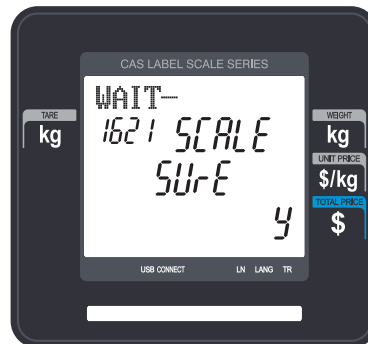
If you select menu code 1620, you will see following screen.



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 exit this menu.
Sales data is same with X1 report

Note1: If the setting of Parameter 598, “Print when Z Report clear” is “No”, you cannot print Z Report.

Note2: If the setting of Parameter 595 “Individual clear(Z report)” is “Yes”, you can clear Scale, PLU, Misc. PLU, Group, Department, Hourly, Clerk data is cleared separately.
But if you use this function, each report is not same with scale report.

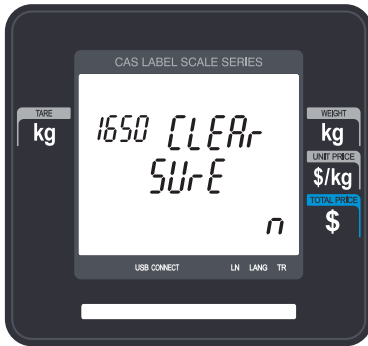
2.11.12 Clear All Report (Menu code 1650)

(MENU → 6. Report → 5. Clear All)

If you select menu code 1650, you will see following screen.

To clear all report, press 1 key. If you do not want to clear, press 0 or ESC key.

1 PRINT



3. SALES OPERATION

3.1 Basic Operation

This chapter explains basic operation of scale, such as how to set zero, tare, call up a PLU and override unit price in CL3000 series.

- Turn ON the scale. The first screen will be seen as below for CL3000 series.



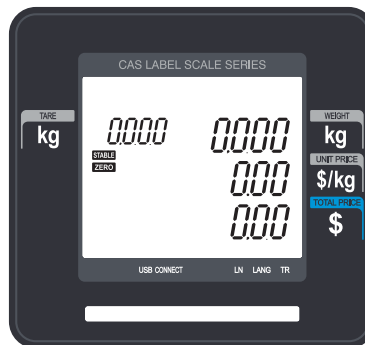
3.2 Zero

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.



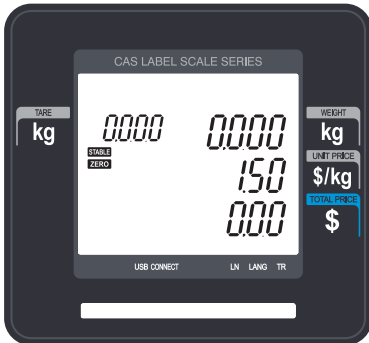
3.3 Tare

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



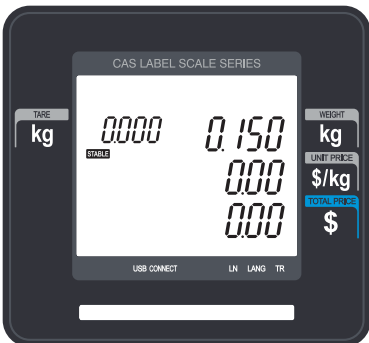
② Press "TARE" key.



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) 150 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.

3.4 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 though you do not press PLU key after entering a PLU number, PLU will be displayed depending on the setting time. It takes time to call up a PLU depending on the setting of parameter, 586 “Indirect PLU Call Time”.

3.4.2 Using Speed Key

To call-up PLU number 79, and you programmed Speed key #5 to be PLU number 79, then you need to press the following key: Speed key #5.

Note: You have to set Speed key in program mode (Menu 1160 on 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)

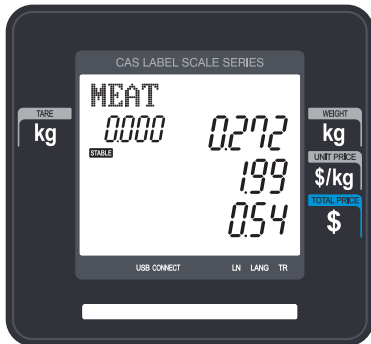
The OVERRIDE key is used to temporarily change the pricing of priced PLUs.

- ➔ If you set program menu 1873("UPRICE"), changed priced is saved after printing a label.

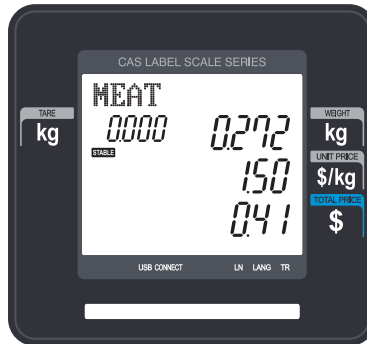
3.5.1 By-Weight PLU

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

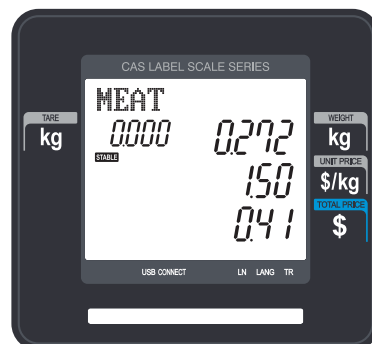
- ① Press OVERRIDE key.



- ② Enter new unit price.



- ③ Press PRINT key to print label.



3.5.2 By-Count PLU

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

① Enter QUANTITY and press
OVERRIDE key



② Enter new unit price.



③ Press PRINT key to print label.

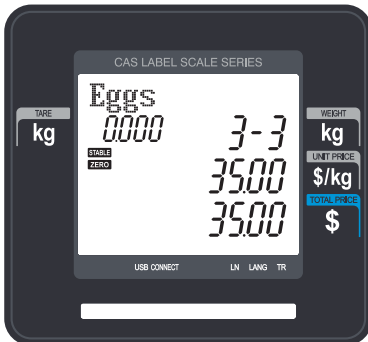


3.5.3 By-PCS PLU

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



① Press **VERRIDE** key and enter new unit price



② Press **FOR** key and enter QUANTITY



③ Press **FOR** key and enter PIECES



④ Press **PRINT** key to print label.



- Note:** - If you set program menu 1873("UPPRICE"), changed priced is saved after printing a label.
 - Discount function is not available when you use OVERRIDE key.

3.6 Sales Operation

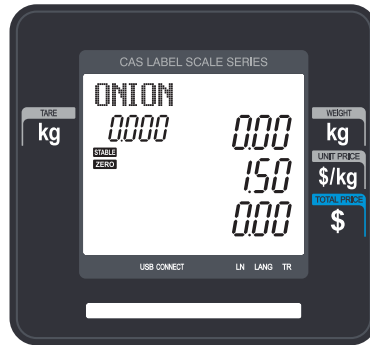
3.6.1 Weighed Item Operation

EXAMPLE:

- PLU No : 29, PLU Name: ONION, PLU type : by weight, Unit Price : 1.50\$,
- Sales Weight =1.0 kg

① Press Speed key to call up a PLU.

ONION



User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

② Place the item(s) on the platter.



③ Press "PRINT" key to print a label and complete current transaction. This transaction(s) is saved in the sales record.

PRINT



④ Remove the item(s) from the platter.



* Total Price= Sales weight X Unit price

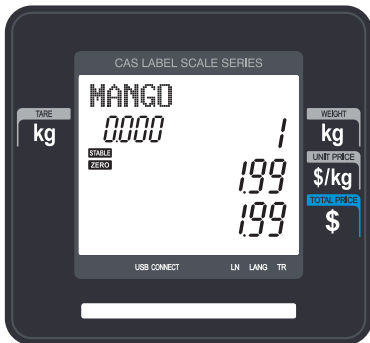
- Note:** - In “SAVE” & “Prepack” mode the PLU is not automatically cleared when you remove the item from the platter.
- If you set CLRPLU” to “Y” in Menu 1873, PLU is cleared even though you do not remove the item from the platter.
(See chapter 2.14.7.3 for menu 1873)

3.6.2 By Count Item

EXAMPLE:

- PLU No : 31, PLU Name: MANGO, PLU type = By-Count, Unit Price: 1.99\$,
- Sales 20 pieces.

① Press numeric key(s) to call up a PLU.



② Enter the number of pieces.

EX) 20 pieces.



User may call up a PLU by pressing speed key or numeric key.
Please refer to chapter 3.4 for details.

- ③ 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” & “Prepack” mode, the PLU called up is not automatically cleared when you remove the item from the platter.

3.6.3 By PCS Item

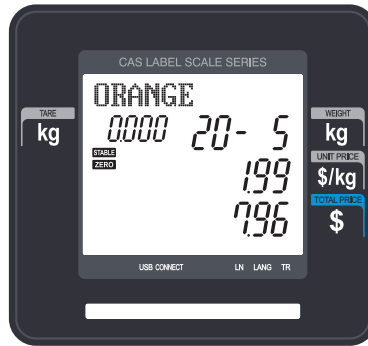
EXAMPLE:

- PLU No : 30, PLU Name: ORANGE, PLU type = By PCS, PIECES: 5, Unit Price : 1.99\$
- Sales = 20 pieces. [QUANTITY item]

- ① Press numeric key(s) to call up a PLU.

- ② Enter QUANTITY [the number of Pieces].

EX) 20 pieces.



- ③ 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: - In “SAVE” & “Prepack” mode the PLU is not automatically cleared when you remove the item from the platter.

3.7 Discount

Before using discount function, you have to set discount data in menu 1130 of program mode. Discount is different depending on PLU type. (For details, see chapter 2.4.1)

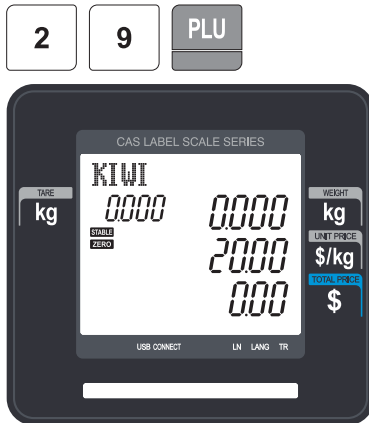
3.7.1 Unit Price Discount - By Weight PLU

EXAMPLE:

- PLU# 29=KIWI (By-Weight PLU), Unit price=20.00

- 1st Target of Discount: "Discount amount from unit price"=0.50 for weight 0.500.
- 2nd Target of Discount: "Discount amount from unit price"=1.00 for weight 1.000.

① Call up a PLU.



② Place an item on the platter. In this case, discount is not available because the weight of this item (0.489 kg) is lower than 1st target (0.500 kg).



③ Place an item on the platter. In this case, discount is possible because the weight of item (0.526 kg) is greater than 1st target (0.500 kg) therefore the total price is 10.26.



④ Place items on the platter. In this case, discount is possible because the weight of item (1.076 kg) is greater than 1st target (0.500 kg) therefore the total price is 20.44\$.



Note: - You can set four markdown information in menu 1720 of program mode.(See chapter 2.13.3)

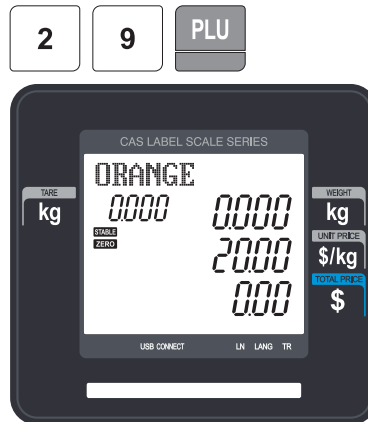
3.7.2 % Unit Price Discount - By Weight PLU

EXAMPLE:

- PLU# 29=ORANGE (By-Weight PLU), Unit price=20.00

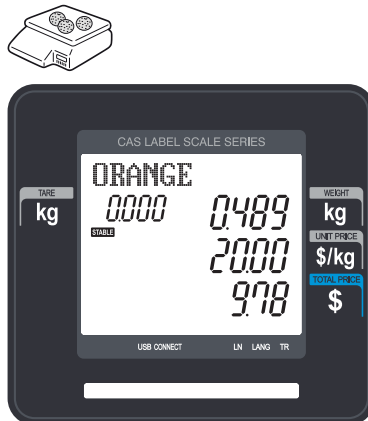
- 1st Target of Discount: "10 % off from unit price" for sales weight 0.500 kg.
- 2nd Target of Discount: "20 % off from unit price" for sales weight 1.000 kg.

① Call up a PLU.



* User may call up a PLU by pressing speed key or numeric key. Please refer to chapter 3.4 for details.

② Place an item on the platter. In this case, discount is not available because the weight of this item (0.489 kg) is lower than 1st target(0.500 kg).



- ③ Place items on the platter. In this case, the weight of items(0.526 kg) is greater than 1st target(0.500 kg) therefore you can have 10% discount. (Total price is 9.47)



- ④ Place items on the platter. In this case, the weight of items(1.076 kg) is greater than 2nd target(1.000 kg) therefore you can have 20% discount. (Total price is 17.22)



- ⑤ Press the PRINT key. Markdown(STRIKE THROUGH) is printed on label as figure.



3.7.3 Unit Price Discount - By PCS PLU

EXAMPLE 2:

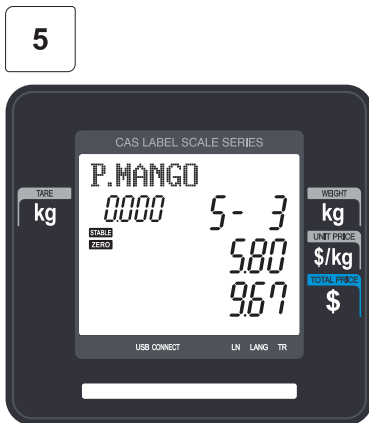
- PLU# 30=PREMIUM MANGO, 3 pieces FOR 6.00

- 1st Target of Discount: "Discount amount from unit price"=0.20 for sales 5 pieces.
- 2nd Target of Discount: "Discount amount from unit price"=0.50 for sales 10 pieces.

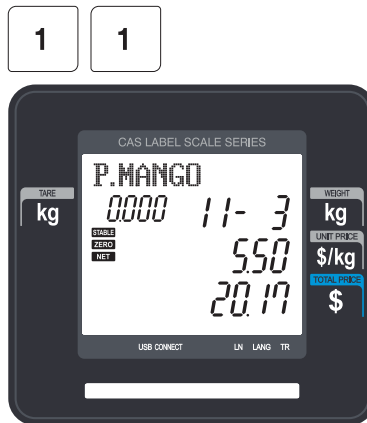
① Call up a PLU.



② Enter quantity. In this case, 5 is greater than 1st Target (5), unit price(0.20\$) is discounted.



③ Enter quantity. In this case, 11 is greater than 2nd Target (10), unit price(0.50\$) is discounted.



④ Press the PRINT key. Markdown(STRIKE THROUGH) printed on label as figure.



Note: - You can set four markdown information in menu 1720 of program mode.(See chapter 2.13.3)

3.8 Add-Up Transaction

If you press the ADD key instead of the PRINT key, you will initiate the ADD-UP process. You can ADD-UP 399 items maximum.

EXAMPLE 2:

- PLU# 32=SIRLOIN, PLU Type = By-Weight, Unit Price=20.00,
- PLU# 35=T-bone steak, PLU Type = By-PCS, Pieces=3, Unit Price=6.00

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



② Press ADD key. PLU is cleared automatically. You will see the display as below. Remove item from the platter.



③ Call up a PLU.



④ Press ADD key. PLU is cleared automatically. You will see the display as below.



⑤ You can repeat the ADD-UP process up to 399 times or you can press the ST/TTL key at anytime to see the grand-total.



⑥ To complete the sale, press the PRINT key. (To repeat the ADD-UP process, press the ESC key.)



Note: - You can press the VOID key to undo the transaction. (See chapter 3.10).

- If you set "I.LABEL" to "Y" in menu 1750 of program mode, label will be printed whenever you press the ADD key. (See chapter 2.13.3)
- Even though you turn off the scale before printing a grand total label, add-up data is not cleared.

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 2.14.5)

Assumption

- Clerk should be registered on menu 1850. (See chapter 2.14.5)
- Clerk number should be set on menu 1856 to use "V1~ V64" keys (See chapter 2.14.5.6) If the clerk is not assigned to V1~V64, this clerk has to enter password after pressing V key.
- All clerks can use "V" key.
- * Up to 50 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~V64 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 2.14.7) 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 "S.MODE" to "2" (Standard Clerk) in menu 1820 of program mode. (See chapter 2.14.3)

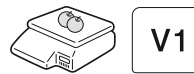
EXAMPLE 2:

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.



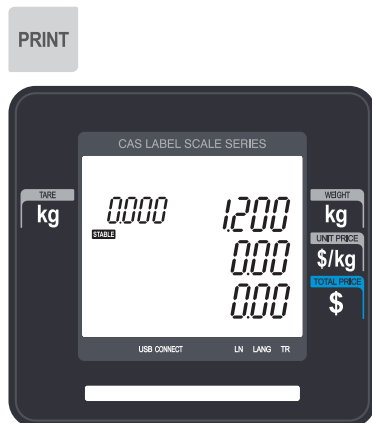
③ Call up a PLU.



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. , Weight, 1.2 kg
- PLU#2=Orange, Unit Price 20.00. , Weight, 1.2 kg

- ① Call up a PLU.



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

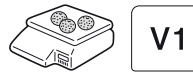


③ Call up a PLU #2.



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 2.13.3)
- You can set ticket item in menu 1761 of program mode. (See chapter 2.13.6)

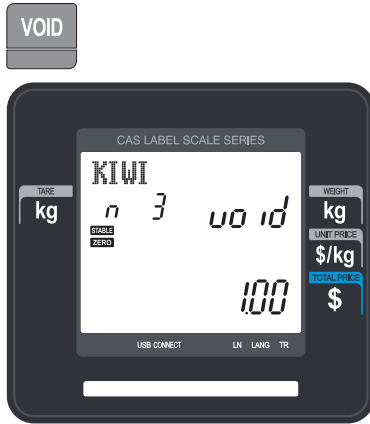
3.10 Void

You can press the VOID key to undo transaction in add-up process or floating clerk operation.

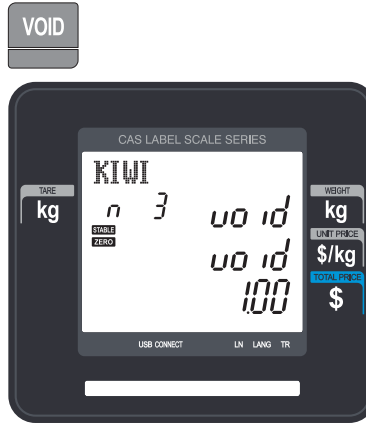
Assumption) You sold several items

◆ If there is no PLU or price is zero.

① Press the VOID key, you will see following screen.



② To void Kiwi, press the VOID key.



* You can use the PG UP and PG DOWN keys or the Arrow keys to navigate up and down the list.

◆ If there is same PLU and same price to void

① Place item on the platter



② Press VOID key then this sale is cleared.



* If price is not same, void list screen is shown on the display automatically.

3.11 Payment & Change

►Payment

No	Type
0	Cash
1	Pin/chip
2	Check
3	Credit card
4	Credit note
5	Coupon
6	Bonus point
7	Credit

You can use PAY key in the add-up process or floating clerk operation.

EX) Total price : 15.00 \$

If customer give coupon 6.00 \$ and cash 9.00 \$ to clerk

① Press PAY key when there is subtotal price



② Press Page down key and select payment type(Coupon)



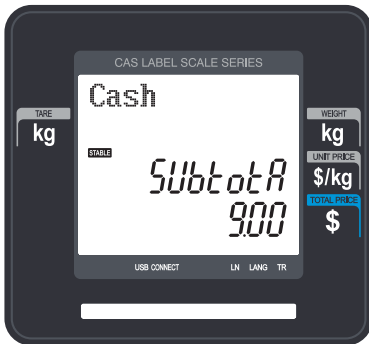
③ Enter 6.00



④ Press PRINT key then you can select payment type again.



⑤ Select Payment type (Cash)



⑥ Press PRINT key. The label is issued



* Total price, receive and change is printed.

Note: - You can set print item in menu 1760 of program mode. (See chapter 2.13.6)
- If there is credit sales, a receipt is printed additionally.

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 "SH.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, it prints labels automatically. When it is in MANUAL mode, you must press the PRINT key (or ADD key) to get a label. In Pre-Pack mode, you can not select AUTO mode. Pre-Pack works like AUTO and SAVE mode except that the weight does not need to return to zero for every auto-print.

Pre-pack mode is very useful in backyard applications. This mode increases productivity by not requiring the user to press the PRINT key for every package. Instead the user can concentrate on weighing, wrapping, and labeling

This function is only available for by-weight PLU.

- how to use prepack mode

if you use Prepack mode without total function.

- same as current operating way

(put the item on the platter and then print automatically)

when you use the total function at Prepack Mode

1) when total function starts, press [ADD] key (at Prepack Mode)

2) on the display, [Summation ON] will appear for about 3 seconds.

3) call up PLU and then place a item.

4) each label will be automatically prints and will make a total.

5) repeat 3)~4).

6) when you press [ST/TTL] key, the total will be displayed.

7) to print the Sub Total, press [PRINT] key.

8) repeat 3)~7).

9) to print Grand Total Label, press [ST/TTL].

(this case at there should be no sub-total remains, then press [ST/TTL] key)

10) Grand Total Label will be printed.

11) after complete the total function, press [ADD] key.

12) on the Display, [Summation OFF] will be appear for about 3 second.

- Printing item

when you make a total with other items

- Printing item : (before) Total Price, Transaction No, Void Price, Void Count, (added) Total Weight, Total Quantity etc.

- when you make a total with only one item

- Printing item : (before) Total Price, Transaction No, Void Price, Void Count, (added) Total Weight, Total Quantity, Dept No, Dept Name
PLU Name, Item Code, PLU No, Dept No, Cook By Date
Sell By Date/Time, Packed On Date/Time, Produced Date etc

EXAMPLE:

Speed key #1= Onion Unit price=1.50, Sales Weight=1.0 kg,

① Press PREPACK key and call up a PLU



② Place the item(s) on the platter.



* User may call up a PLU by pressing speed key or numeric key.
Please refer to Menu code 1160.

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 is used to print multiple transactions for the same PLU. The X key operation is called the Multi-Label function.

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.).

EXAMPLE:

Speed key #1= "Onion" preset key, Unit price=1.50, Sales Weight=1.0 kg,

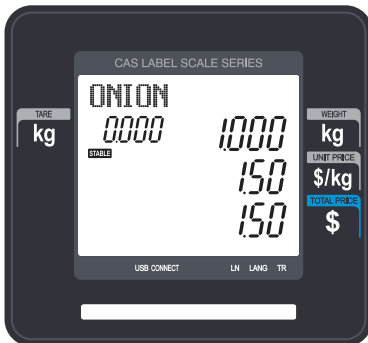
① Call up a PLU

A

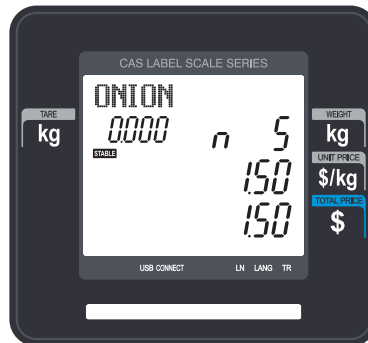


* You can call up a PLU by pressing speed key or numeric key.
Please refer to chapter 3.4 for details.

② Place the item(s) on the platter.



③ Press the "X" key and input 5.



- ④ Remove the item(s) from the platter.



Note: - If you set "LABEL" to "Y" in menu 1872 of program mode, the scale does not check peel-off, so you have to press FEED key after printing is done. (See chapter 2.14.21)

- If parameter 551, "Use double print(auto)" is set, you will have two same labels in auto mode.
- If you set 2nd label in PLU programming, 2nd label is issued automatically.

3.14.2 Non-Weighed PLU

You can use X key for by Count, By PCS PLU without any setting. The way of using X key is same as by-weight PLU except weighing item.

3.15 How to Change Sell By Date/Time

① Call up a PLU

ONION



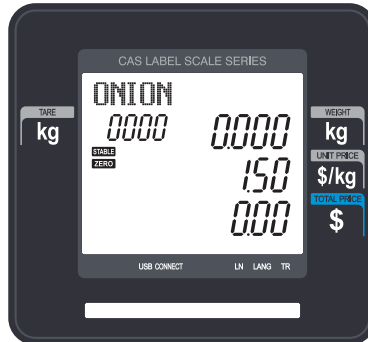
② Press EDIT SELL key to enter both of effective date and time.

EDIT SELL



③ Press PRINT key to complete saving.

PRINT

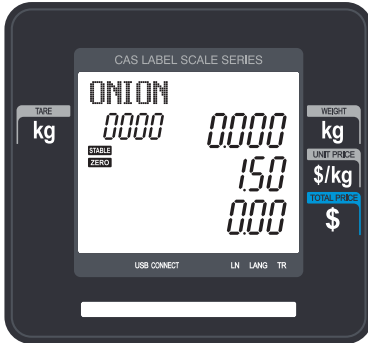


Note: - To use EDIT SELL key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.8)

3.16 How to Change Origin

① Call up a PLU

ONION



② Press ORIGIN key to retrieve one of origin data saved.

Origin



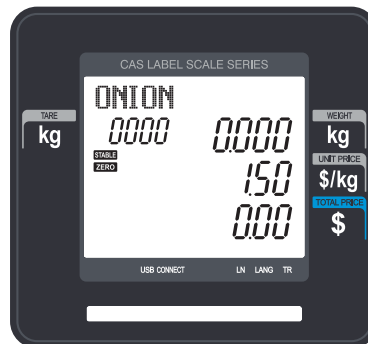
Note: - To use ORIGIN key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.8)

3.17 How to Change PLU Type

Note: If you set "TYPE" to "Y" in menu 1873 of program mode changed PLU type is saved. (See chapter 2.14.7)

① Press "WT/CT" key to change PLU type from By-weight to By-count PLU or vice versa.

ONION



- ☞ 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 2.14.8)

3.18.2 % Discount Price Key

① Call up a PLU(#1.APPLE).



② Press “%Discount” key and enter % amount to discount.

Ex) 20%



③ Press PRINT key.



④ 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 2.14.8)

3.19 PLU Connection

3.19.1 Referenced PLU Function

If you press REFERENCE key(Functions key#:9) 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.
(Does not operated in SAVE and PREPACK modes)

- ◆ To use this function, you have to set reference department and reference PLU when you create PLU.

3.19.3 Link PLU Function

Note: Operates only in the ticket mode.(Does not operated in PREPACK and AUTO modes)

When purchasing a product, it automatically purchases another product additionally

- When the Linked PLU type is weight, purchasing is made in accordance with weight

When the Linked PLU type is count, it sells 1 unit

- ◆ To use this function, you have to set Linked department and Linked 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

APPENDIX

1. Label Format

There are fixed label format and user label format

	Fixed Label Format	User Label Format
No.	1~50	51~99
Quantity	30	20
Method	Built in CL3000	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				
16	IS5653-00016	56	53				

1.1 Label Format Sample

- 1**

SWEETENED CONDENSED MILK <VERY SWEET and STICKY>						
Tare(kg): 0.100					1	38.91
20.11.05	26.11.05	1.216	32.00			
PACKED ON		SELL BY	WEIGHT	UNIT PRICE	PRICE	
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun						

2

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						
Tare(kg): 0.100					2	38.91
20.11.05	26.11.05	1.216	32.00			
PACKED ON		SELL BY	WEIGHT	UNIT PRICE	PRICE	
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun						

3

SWEETENED CONDENSED MILK						
Tare(kg): 0.100					3	38.91
20.11.05	26.11.05	1.216	32.00			
PACKED ON		SELL BY	WEIGHT	UNIT PRICE	PRICE	
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun						

4

SWEETENED CONDENSED MILK <VERY SWEET and STICKY> Whole milk that had 60% of the water remove and					
SELL BY		\$/kg		TOTAL PRICE(\$)	
26.11.05		32.00		38.91	
PACKED ON		NET WT./kg			
20.11.05		1.216			
Thank You CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					

5

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 milks volume. It is very					
SELL BY		\$/kg		TOTAL PRICE(\$)	
26.11.05		32.00		38.91	
PACKED ON		NET WT./kg			
20.11.05		1.216			
Thank You CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					

6

SWEETENED CONDENSED MILK Whole milk that had 60% of the water remove and					
SELL BY		\$/kg		TOTAL PRICE(\$)	
26.11.05		32.00		38.91	
PACKED ON		NET WT./kg			
20.11.05		1.216			
Thank You CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					

7

SWEETENED CONDENSED MILK <VERY SWEET and STICKY>					
		UNIT PRICE \$/kg	WEIGHT kg		
		32.00	1.216		
Tare(kg): 0.100					38.91
20.11.05	26.11.05				
PACKED ON		SELL BY	TOTAL PRICE \$		
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					

8

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					
		UNIT PRICE \$/kg	WEIGHT kg		
		32.00	1.216		
Tare(kg): 0.100					38.91
20.11.05	26.11.05				
PACKED ON		SELL BY	TOTAL PRICE \$		
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					

9

SWEETENED CONDENSED MILK					
		UNIT PRICE \$/kg	WEIGHT kg		
		32.00	1.216		
Tare(kg): 0.100					38.91
20.11.05	26.11.05				
PACKED ON		SELL BY	TOTAL PRICE \$		
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					


10

SWEETENED CONDENSED MILK <VERY SWEET and STICKY>					
		UNIT PRICE \$/kg	WEIGHT kg		
		32.00	1.216		
Tare(kg): 0.100					38.91
20.11.05	26.11.05				
PACKED ON		SELL BY	TOTAL PRICE \$		
CAS CORPORATION +82-31-820-1100 #19 Ganap-ri Gwangjuk-myun					

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

PACKED ON	SELL BY	WEIGHT
20.11.05	26.11.05	1.216

11



0 102011 038918

Tare(kg): 0.100

UNIT PRICE	PRICE
32.00	38.91

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

11

SWEETENED CONDENSED MILK

PACKED ON	SELL BY	WEIGHT
20.11.05	26.11.05	1.216

12



0 102012 038917

Tare(kg): 0.100

UNIT PRICE	PRICE
32.00	38.91

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

12

SWEETENED CONDENSED
<VERY SWEET and STICKY>



0 102013 038916


Tare (kg): 0.100

NET WT. (kg)	PRICE / kg (\$)	TOTAL PRICE (\$)
1.216	32.00	38.91

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

13

SWEETENED CONDENSED
Whole milk that had 60% of the water remove and sugar added. The amount of sugar added



0 102014 038915

Tare (kg): 0.100

NET WT. (kg)	PRICE / kg (\$)	TOTAL PRICE (\$)
1.216	32.00	38.91

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

14

SWEETENED CONDENSED



0 102015 038914

Tare (kg): 0.100

NET WT. (kg)	PRICE / kg (\$)	TOTAL PRICE (\$)
1.216	32.00	38.91

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

15

SWEETENED CONDENSED MILK
<VERY SWEET and STICKY>
Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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

SELL BY	PACKED ON	\$/kg	NET WT./kg
26.11.05	20.11.05	1.216	32.00



0 102016 038913

TOTAL PRICE(\$)
38.91

Thank You
CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

16

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 milks 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

SELL BY	PACKED ON	\$/kg	NET WT./kg
26.11.05	20.11.05	1.216	32.00
TOTAL PRICE(\$)			38.91

0 102017 038912

Thank You
CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

17

**SWEETENED CONDENSED
<VERY SWEET and STICKY>**

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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

PACKED ON	SELL BY
20.11.05	26.11.05
TOTAL PRICE \$	
1.216	32.00
NET WT. (kg)	PRICE / kg (\$)
TOTAL PRICE (\$)	
38.91	

0 102018 038911
Tare (kg) : 0.100

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

18

SWEETENED CONDENSED

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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

PACKED ON	SELL BY
20.11.05	26.11.05
TOTAL PRICE \$	
1.216	32.00
NET WT. (kg)	PRICE / kg (\$)
TOTAL PRICE (\$)	
38.91	

0 102019 038910
Tare (kg) : 0.100

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

19

**SWEETENED CONDENSED MILK
<VERY SWEET and STICKY>**

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks volume. It is very sweet and sticky and adds a richness to the foods It is added to.

PACKED ON	SELL BY
20.11.05	26.11.05
TOTAL PRICE \$	
1.216	32.00
NET WT. (kg)	PRICE / kg (\$)
TOTAL PRICE (\$)	
38.91	

0 102020 038916

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

20

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 milks volume. It is very sweet and sticky and adds a richness to the foods It is added to.

PACKED ON	SELL BY
20.11.05	26.11.05
TOTAL PRICE \$	
1.216	32.00
NET WT. (kg)	PRICE / kg (\$)
TOTAL PRICE (\$)	
38.91	

0 102021 038915

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

21

**SWEETENED CONDENSED MILK
<VERY SWEET and STICKY>**

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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 heated

PACKED ON	SELL BY	WEIGHT
20.11.05	26.11.05	1.216
TOTAL PRICE \$		22
1.216	32.00	38.91
NET WT. (kg)	PRICE / kg (\$)	UNIT PRICE PRICE
TOTAL PRICE (\$)		0.100
38.91		

0 102022 038914
0.100

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

22

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 milks 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 heate

	PACKED ON	SELL BY	WEIGHT
	20.11.05	26.11.05	1.216
	23		
	32.00	38.91	
	UNIT PRICE	PRICE	

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

23

SWEETENED CONDENSED <VERY SWEET and STICKY>

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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 heate

	PACKED ON	SELL BY	WEIGHT
	20.11.05	26.11.05	1.216
	23		
	32.00	38.91	
	UNIT PRICE	PRICE	

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

24

SWEETENED CONDENSED

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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 heate

	PACKED ON	SELL BY	WEIGHT
	20.11.05	26.11.05	1.216
	23		
	32.00	38.91	
	UNIT PRICE	PRICE	

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

25

SWEETENED CONDENSED <VERY SWEET and STICKY>

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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 heate

	PACKED ON	SELL BY	WEIGHT
	20.11.05	26.11.05	1.216
	23		
	32.00	38.91	
	UNIT PRICE	PRICE	

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri

26

SWEETENED CONDENSED MILK <VERY SWEET and STICKY>

Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks 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 heate

	PACKED ON	SELL BY	WEIGHT
	20.11.05	26.11.05	1.216
	23		
	32.00	38.91	
	UNIT PRICE	PRICE	

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

27

SWEETENED CONDENSED MILK

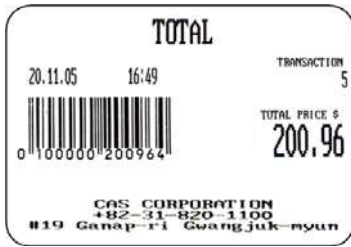
Whole milk that had 60% of the water remove and sugar added. The amount of sugar added makes up 40% of the sweetened condensed milks volume. It is very sweet and sticky and adds a richness to the foods It is added to. It is used to make candies, bars, pies, and puddings. Sweetened condensed milk turns a golden color and takes on a caramel like flavor when heated. It is also thickens as it is heate

	PACKED ON	SELL BY	WEIGHT
	20.11.05	26.11.05	1.216
	23		
	32.00	38.91	
	UNIT PRICE	PRICE	

CAS CORPORATION
+82-31-820-1100
#19 Ganap-ri Gwangjuk-myun

28

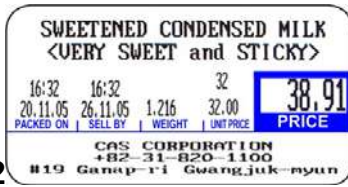
29



30

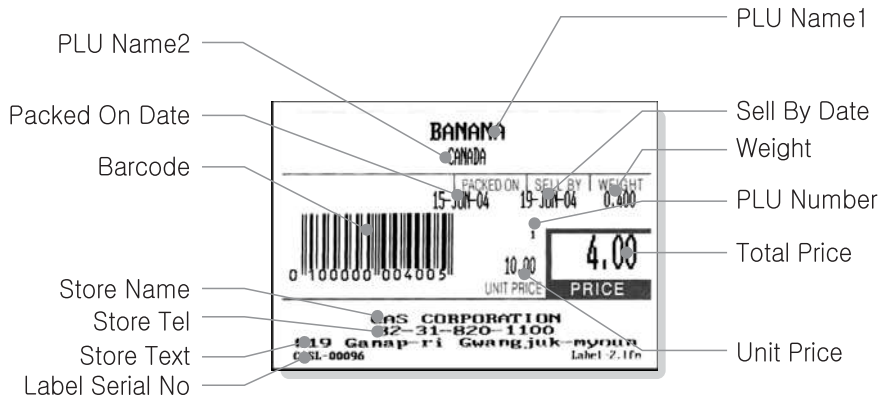


32

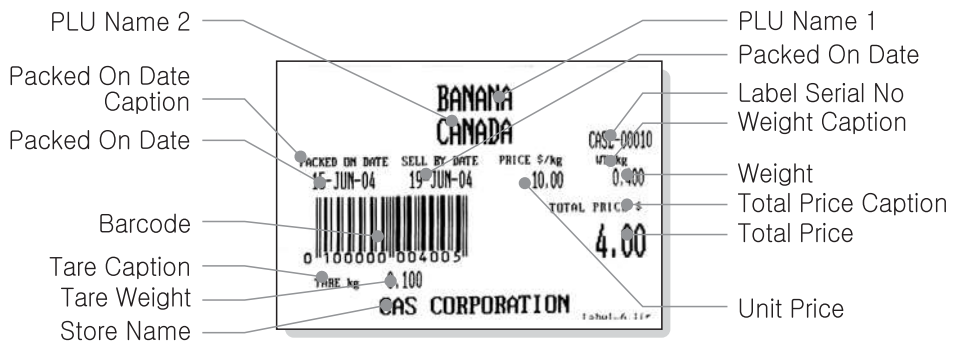


1.2 Label Format's field Sample

► (1) Label sample 1



► (2) Label sample 2



2. 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	"	...	†	‡	^	%	Š	<	œ		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	ø	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.

3. 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 Baltic 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

4. Error Message

Critical Error Message			
Message	Display	Description	Solution
ADM NOT IN CODE	7-SEG	CODE 01, 02 : ADM communication error CODE 03 : ADM initialization error CODE 04 : ADM setting value error	Inquire of A/S center
Invalid ADM	CHAR	AD failure upon initial zero checking (Communication disabled)	Inquire of A/S center
AD MEM Error	CHAR	AD setting value (EEPROM Data) abnormality Error Message upon initial zero checking	Inquire of A/S center
Check ADM	CHAR	Check AD Communication	Inquire of A/S center
AD-Init	CHAR	ADM setting value error	Inquire of A/S center
AD-EEP	CHAR	AD setting value (EEPROM Data) abnormality Error Message, AD Error upon calibration	Inquire of A/S center
AD-Conv	CHAR	AD Conversion Error	Inquire of A/S center
.Chk MEM Err	CHAR	Memory checking disabled upon scale booting	Inquire of A/S center
.Init AD Err	CHAR	AD module checking disabled upon scale booting	Inquire of A/S center
.Network Err	CHAR	Network checking disabled upon scale booting	Inquire of A/S center
.Key Error	CHAR	Key of keypad being pushed, or problem with keypad upon scale booting	Inquire of A/S center
CAL-Unst	CHAR	Weight not stabilized upon Span Calibration or linearity adjusting	Inquire of A/S center
CAL-Range	CHAR	Weight going out of tolerance upon Span Calibration or linearity adjusting	Inquire of A/S center
CAL-AD	CHAR	AD Module abnormality (Communication failure, no module, unstable AD, etc.) upon Span Calibration or linearity adjusting	Inquire of A/S center
Undefine Key	CHAR	Undefined Key (Incorrect Map of keypad)	Inquire of A/S center
Undef Param	CHAR	Undefined Parameter Parameter not defined or not usable	Inquire of A/S center

Error Message			
Message	Display	Description	Solution
Set Err	CHAR	When wireless network setting is not properly executed upon using new network card	Try again after the setting is changed in Menu 1913(IP) as follows IP: [010.010.003.033] GW: [010.010.000.001] SMASK : [255.255.000.000] TCP Port: [20304]
Zero RNG Err	CHAR	AD Zero Range Error Going out of zero passing range upon initial zero checking	Remove objects that may be on tray of scale, and place tray when there is no tray.
UNSTABLE	CHAR	When scale is not stabilized or weight is not stabilized upon tare setting	Adjust level for scale using a level after installing scale at a place with no shaking
Status Message			
Message	Display	Description	
[NO NAME]	CHAR	Message appearing when there is no name for PLU	
Already Tare	CHAR	When tare setting is attempted with set tare available (limited to the cases with continuous tare being limited)	
Chk Disc Set	CHAR	Can after delete D/C Message appearing when there exist Discount data in PLU to be deleted upon deletion of PLU from Menu 1147	
Chk Disc PLU	CHAR	Delete PLU per department when there exist Discount data in PLU upon deletion of whole PLU	
Chk PLU tare	CHAR	If PLU Tare are available, check PLU tare when Tare is set	
Chk PLU type	CHAR	Check PLU type. Message appearing when weight product is registered in Menu 1451, Job batch (Only count products allowed for use)	
Chk WT tare	CHAR	Check weight tare If Weight Tare is set, remove the set Tare value when .PLU with PLU Tare is called	
Chk Unit WT	CHAR	Check Unit Weight When the unit weight (unit price-based weight) cannot be changed	
Chk Sale.MD	CHAR	Select label mode Direction message in Receipt mode in the case of [PREPACK]	
Chk WT value	CHAR	Wrong weight value Message appearing upon inputting fixed weight or values not complying with regulations	
Chk Value	CHAR	Check return value : Return Value is Zero	
Chk Interval	CHAR	When inputted weight does not conform to value of one graduation (Interval) upon Key tare setting, please check for Tare regulations of Tare.	
Can't Disc.	CHAR	Discount is not applicable when Menu 1131, PLU is set as Fixed Price	
Can't Del 1	CHAR	Menu 1213, Department No.1 cannot be deleted.	

CHG to LABEL	CHAR	Changed to label mode When changed to Label Mode using TICKET / LABEL key
CHG to TICKE	CHAR	Changed to ticket mode When changed to TICKET Mode using TICKET / LABEL key
Check Min WT	CHAR	Check minimum Weight When weights smaller than minimum weight of scale are sold
Check price	CHAR	When the issuance key is pushed at total amount of 0 1. When unit price is Zero -> Set [parameter 581] if only weight is to be outputted 2. When total amount is Zero -> Printing is not allowed when total amount is Zero
Check weight	CHAR	When the weight is 0 upon issuance of label
CLERK OPENED	CHAR	Message appearing if other clerk is called when clerk information on sale exists
Clerk locked	CHAR	When relevant Clerk is open on the other side in Network
CV Unit:XXXX	CHAR	Unit weight displayed when the unit price is changed XXXX = 1 kg, 100g, 1 lb, 1/2 lb, 1/4 lb
Clear PLU	CHAR	Cancel called PLU Request for removal of the currently called PLU if PLU is called when current Dept is changed by [DEPT#]key
Double PRT	CHAR	Double print (Auto mode) Shows automatic issuance of 2 sheets
Discount PLU	CHAR	Change in PLU type is not allowed when Discount information exists in PLU for type to be changed
Data Full !!	CHAR	When Data Table is filled up with Memory
ERR REOPEN! (1)-(3)	CHAR	Message appearing when issued ticket cannot be reopened -(1) When ticket to be opened does not exist -(2) When Clerk number in ticket to be opened does not agree -(3) Message appearing when the space to be Reopened is insufficient
Empty ticket	CHAR	When Copy Ticket does not exist
Fixed WT Err	CHAR	Invalid Fixed Weight When wrong Fixed Weight is inputted in PLU
FP	7-SEG	Displayed when the relevant PLU is called after selecting 1 for Fixed Price in Menu 1120, PLU input item
Gap Chk Err	CHAR	When incorrect printing paper is inserted
G.Tax apply	CHAR	Global Tax applied Displayed when Global tax is applied to relevant PLU using Function key (GLOBAL TAX, #171)
Invalid Type	CHAR	When the form of inputted PLU upon selection of Menu 1120, PLU type is inaccurate
Log in clerk	CHAR	Message appearing when Clerk Login is required
MAX is 50!	CHAR	MAX TRN SACTION IS 50! Message appearing when the maximum number of sold units per Clerk exceeds 50ea
Memory full	CHAR	Message appearing as no sales occur when the buffer is filled up with data
Negative ON	CHAR	When Negative sales are executed

Negative PLU	CHAR	Negative PLU
Net - Err	CHAR	Network error
Net - Pfull	CHAR	Network error (Pay buffer is filled up with data)
Network LOCK	CHAR	Network LOCK
No curr data	CHAR	No Currency data
No data	CHAR	1.No data 2. No sales data in void Last Sale 3.No Data in Table
No grand TTL	CHAR	No grand total price
No Sale Data	CHAR	No label, No summary Only account balancing is entered without outputting of labels or total add
NO MASTER	CHAR	Master disconnected
No reference	CHAR	No reference information exists in relevant PLU when Function key(PLU REFERENCE, #9) is pushed after calling PLU
Not Support	CHAR	Message appearing under the conditions of not allowing sales in Floating mode [ADD] "Message of operation disabled when Add is operated in Clerk mode"
No Tare	CHAR	When Tare clearing was attempted without set Tare
No up tare	CHAR	Tare higher than the set Tare cannot be set upon continuous use of Tare
No down tare	CHAR	Tare lower than the set Tare cannot be set upon continuous use of Tare
No X key	CHAR	Multiply Negative is not allowed when Multiply print is attempted using -> "X" key after setting Negative ON.
NO PLU(#number)	CHAR	No PLU available for the relevant number.
Not allowed	CHAR	Kg <-> lb not allowed
No Use Dept	CHAR	Disabled Department
Not found	CHAR	1. Not found customer. : When Customer cannot be found in credit sale 2. Not Found clerk. : Message appearing when Clerk is not set
No TTL price	CHAR	No total price, When TTL button was pushed without Total Price
New SPD Key	CHAR	Set New Speed Key Having been changed is informed if map of the set key is changed when the current Dept is changed with [DEPT#] key.
Override Err	CHAR	Override n Override not allowed when two types of Override error, Weight Unit are used
Open TPH	CHAR	When printing is attempted under the condition with printer Head being open -> Close Head of the printer
Overload!	CHAR	Maximum weight of scale exceeded, check for maximum weight of the scale

PRINT ERROR	CHAR	When Error occurred in Printer output
Paper End	CHAR	Paper End, Replace paper.
Press FEED	CHAR	When issuance is desired without paper, set paper position by pushing FEED key after replacing paper.
PEEL - OFF	CHAR	When printing is attempted under the condition with printed paper hung up at printer inlet or label not removed, automatic printing occurs if printed paper or hung-up label is removed
PLU exist !!	CHAR	When PLU Copy, Move is to be executed, PLU exists at the place for copy or move
PRT Label?	CHAR	Message of being asked when printing on Label Paper in X Report or printing of Table list on Label Paper is desired (1=Yes, 0=No)
PMS Denied	CHAR	Check for Permission Level when Permission Level is low
Remov weight	CHAR	Remove weight on tray When weight is placed on tray upon sales of By PCS, By Count PLU: Remove weight on tray.
Remov k tare	CHAR	When Key tare is set, PLU with Tare information cannot be called Dismantle Key tare and call PLU.
REOPEN OK!	CHAR	Reopen success.
Same PLU PRT	CHAR	Message displayed when the same PLU is printed after calling and printing PLU. Issued after re-calling PLU. However, excluded in Prepack mode
SURE	CHAR	Message of being asked when printing on Label Paper is desired in Z Report (1=Yes, 0=No)
Summary over	CHAR	Summary overflow, Message appearing when the memory storing PLU SALE SUMMARY is filled up
SUMMARY OFF	CHAR	Message appearing when calculation for total sum is not executed without using Add (Allowed only in Standard Clerk mode)
SUMMARY ON	CHAR	Message appearing when calculation for total sum is executed without using Add (Allowed only in Standard Clerk mode)
Save data?	CHAR	Message of asking about storage status of sales contents in the case of Print error
Tare Over	CHAR	When Tare weight exceeded the maximum weight of scale Tare, please check for the maximum Tare value of scale.
Voided	CHAR	Last PLU voided Message informing cancellation of the product sold last
Unlock?(Y/N)	CHAR	Message of clearing Clerk lock
Wrong Value	CHAR	When the inputted value exceeds input range
BACKUP FAIL!	CHAR	When USB memory is not connected. Check USB memory connection status,
UPDATE FAIL!	CHAR	When USB Memory is not connected. When backup file does not exist in the USB memory. Check memory connection status or file status in USB memory.

* 7-SEG : 7-Segment LCD * CHAR : Character LCD

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Label Printing Scale



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