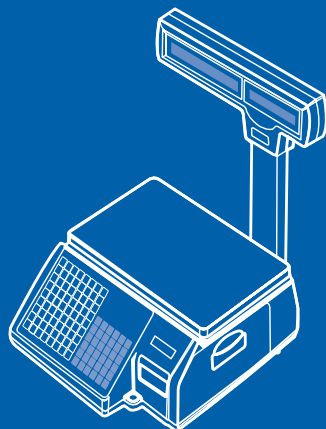


# CL5000 SERIES

Label Printing Scale



# CAS

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# 1.GENERAL

## 1.1 PRECAUTIONS

### Warning

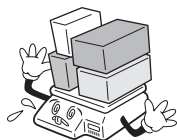
Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

#### 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.

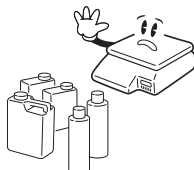


#### Do not pull the plug by its cord when unplugging.

Damaged cord could cause electric shock or fire.



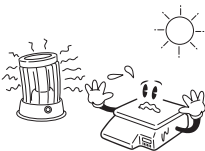
#### To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.



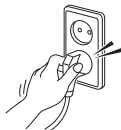
#### To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



#### Avoid placing the scale near heater or in direct sunlight.

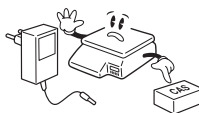


#### Insert plug firmly to wall outlet to prevent electric shock.



#### Use proper Adapter.

Incorrect adapter could damage the scale.



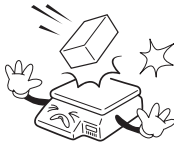
## Attention

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 generating devices.

This may interfere with accurate reading.



Place the scale on firm and temperature consistent environment.



By adjusting 4 corners 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 CL5000 price computing electronic printing scale. We have designed this equipment with many advanced features, high quality construction, and user-friendly menu driven programming.

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

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

### 1.3 SPECIFICATIONS

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

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

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

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

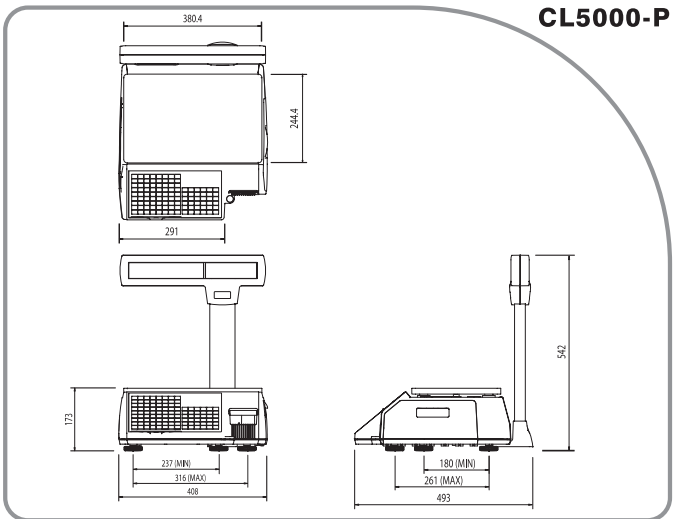
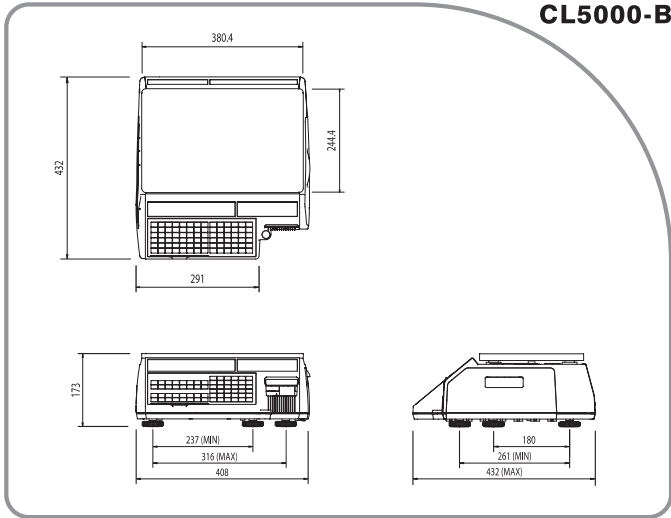
		Number	Range
Programmable Data	PLU	3000	1~99999
	Ingredient 510 character	999	1~999
	User Defined Barcode Format	99	1~99
	Department	99	1~99
	Tax Type	9	1~9
	Group	99	1~99
	Clerk	31	1~31
	Discount	99	1~99
	Origin	499	1~499
	Traceability	99	1~99
	Slaughter House	99	1~99
	Cutting Hall	99	1~99
	Traceability Country	99	1~99
	Label Format	45	Fixed
		20	Free Format
	Bitmap Image	14	1~99
	Customer	99	1~99
	Quanty symbol	8	1~8
	Scroll Message	9	1~9
	X1,X2,Z1,Z2 Report		
Pay Type	7		
Sales Message	99	1~99	
Nutrifact	99	1~99	
Tare Table	99	1~99	

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

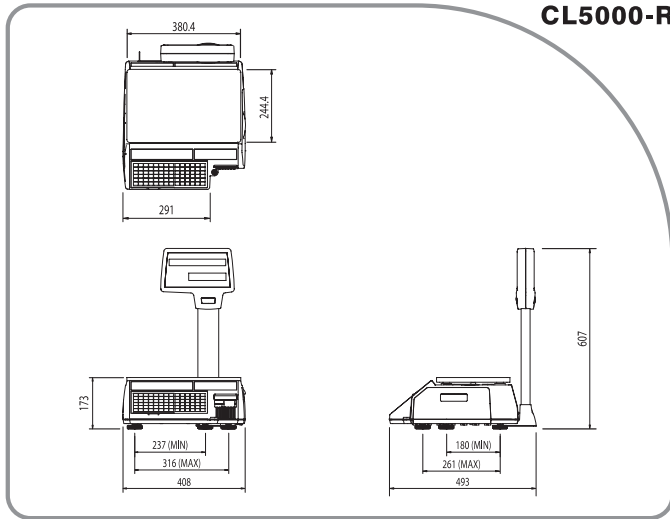
Note: Specifications are subject to change without notice.

# 1.4 NAME AND FUNCTIONS

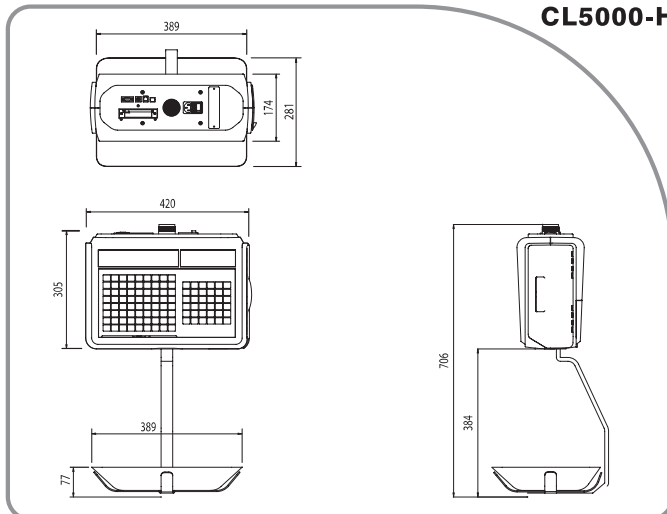
## OVERALL VIEW



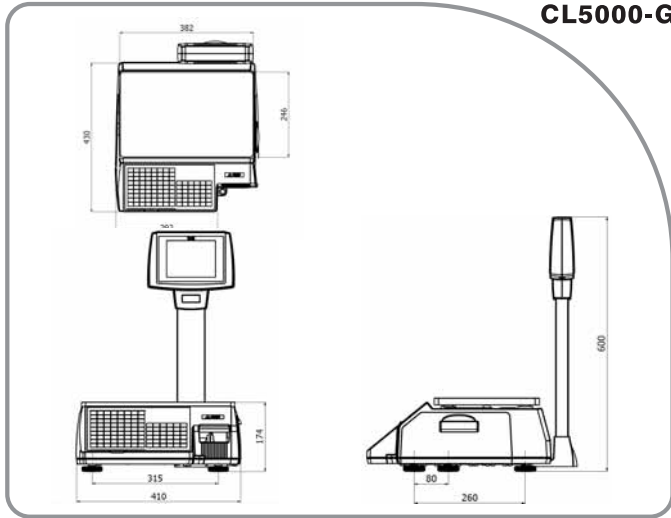
## CL5000-R



## CL5000-H



# CL5000-G



## OVERALL VIEW

### TYPE-I : 5/8/9



### TYPE-II : 4/5/6/6

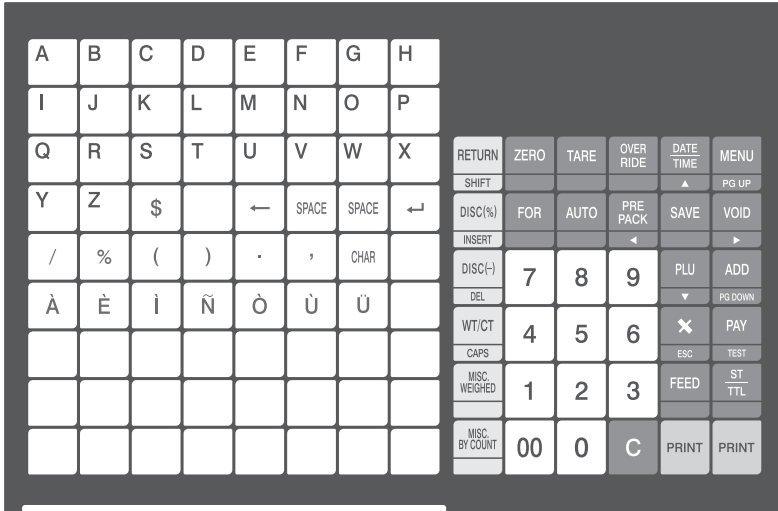


### TYPE-III : CL5000-G



# KEYBOARD

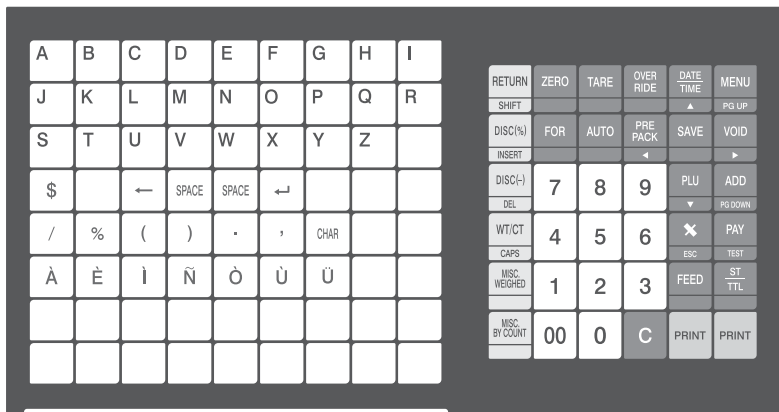
## Pole type



## Standard



## H-Type (hanging type)



## 1.5 Basic set - up















How to install tray















H – type mounting method(3 suggested)















## 1.6 SYMBOLS










SYMBOLS		DESCRIPTION
B, P, R, H - TYPE	G - TYPE	
ST (▼)	ST	Stable weight indicator
0	ZR	Zero weight indicator
NET (▼)	NET	Net weight indicator
AUTO	AT	Print Mode indicator
SAVE	SV	Auto clearing status indicator
PREPACK	PRK	Auto clearing status indicator
DC (▼)	DC	Discount status indicator
SHIFT (▼)	SH	Speed key shift status indicator
TR	TR	Data transmission status indicator

## 1.7 KEY FUNCTIONS

KEY	DESCRIPTION
	Numeric keys. Used to enter pricing, qty, count, tare, etc.
	Double zero key.
	Clear key. Used to clear erroneous entries and error conditions.
	Re-Zero key. Use to remove small variations in the scale's zero.
	Tare key. Use to manually enter and remove tare weights.
	Override key. For temporary price change entry.
	Date & Time key. Toggles the display between time, date, scale number and department number.
	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.
	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
	When you type a PLU number and press this key, it calls-up that PLU.

KEY	DESCRIPTION
	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.
	Multi-Label key. Use this key to print multiple sales of the same transaction. Escape key. It is used to exit in program mode.
	Subtotal / Total key. Used with the ADD key in order to print ustomertotals. Test key. Used to print test pattern
	Feed key. Use this key to feed labels or paper through printer
	Pay key. Use this key to calculate change.
	Print key. Used to manually print transactions and also serves as an ENTER key.
	Return key. Used to credit sales for erroneous transactions or returns. Shift Key. Used to SHIFT function in program Mode
	Discount % key. Used to discount price. Insert key: Insert mode for text typing in program mode.
	WT/CT key. Toggles between Weight PLU and Count PLU. DELETE key. Used to delete text data in program mode
	Miscellaneous Weighed PLU key.
	Miscellaneous By-Count PLU key.
	Miscellaneous PCS PLU key.
	Negative Discount
	Special Discount by Special Unit Price

KEY	DESCRIPTION
	To change the price of PLU called-up to negative price.
	Change Fixed Price Called PLU
	Open Cash Drawer
	To show total amount added-up. (Greek)
	Call Reference PLU
	To continue to use the weight selected by user.
	To switch label to ticket and vice versa.
	On/Off LCD Backlight
	Edit Sell by Date
	Edit Origin
	Edit PLU Item
	Edit Discount
	To assign speed key.
	Clerk Key

KEY	DESCRIPTION
	Indirect Clerk Call
	Alpha keys. Used to type text data.
	Used to type \$
	For future
	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 on page 194)

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



## 1.8 Installation of the Label Roll

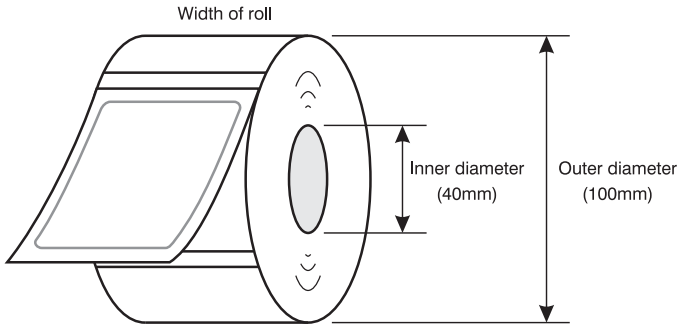
### • Label Specifications

Outer diameter of roll : 100mm

Inner diameter of roll : 40mm

Width of receipt roll : 40, 50, 60mm

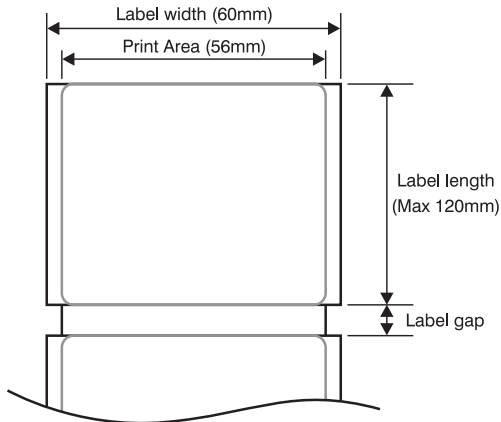
Width of label roll : 60mm(MAX)



### • Print Area

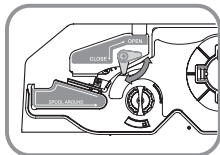
Width of label : 60mm(MAX)

Length of label : 120mm(MAX)

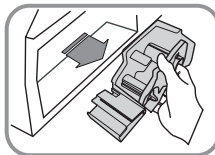


**To install the label roll at ANY time you must follow the directions in this section:**

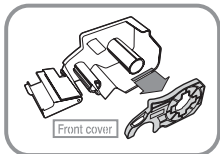
**①** Turn lever to open position.



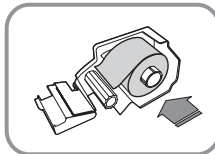
**②** Remove the cartridge.



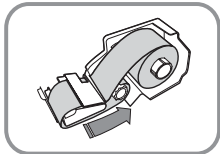
**③** Remove the front cover.



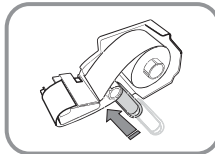
**④** Insert the roll paper.



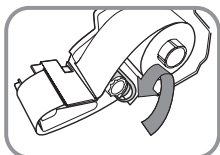
**⑤** Spool the paper to unwinder.



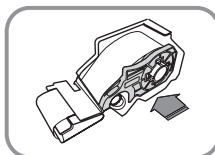
**⑥** Push the clip until it clicks.



**⑦** Turn the clip for several times.



**⑧** Close the front cover.



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

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

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

## 2. PROGRAMMING

### Program Mode Menu Tree (Menu code : 1000)

CODE	Menu	CODE	Sub Menu	CODE	Sub Menu				
1100	PLU	1110	Change unit price						
		1120	New/Edit						
		1130	Discount	1131	New/Edit Discount				
				1132	List Discount				
				1133	Delete Discount	1137	Delete by PLU(DC)		
		1138	Delete by Dept, No(DC)						
		1139	Delete All(DC)						
		1140	Management	1141	Copy				
				1142	Delete	1147	Delete by PLU No		
						1148	Delete by Dept, No		
						1149	Delete All		
				1143	Move				
				1144	Select PLU Items				
1145	PLU Sale Count								
1150	List								
1160	Speed Key								
1170	Sample Printing								
1200	PLU Data Table I	1210	Department						
		1220	Group						
		1230	Tax Rate						
		1240	Sales Message						
		1250	Origin						
		1260	Barcode						
		1270	Tare						
		1280	Unit Symbol						
1300	PLU Data Table II	1310	Ingredient						
		1320	Nutrition Facts						
		1330	Traceability						
		1340	Country						
		1350	Slaughter House						
		1360	Cutting Hall						

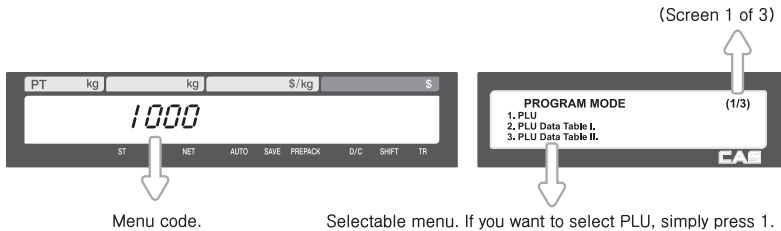
CODE	Menu	CODE	Sub Menu	CODE	Sub Menu	
1400	Store Data Table	1410	Store			
		1420	Customer			
		1430	Scroll Message	1431	Configuration	
				1432	Edit Scroll Message	
				1433	List Scroll Message	
		1440	Currency			
		1450	Job Batch Schedule			
		1460	Scanner			
1470	Label Format Key Table					
1500	Global Setting	1510	Label Format			
		1520	Barcode			
		1530	Discount	1531	Priority Setting	
				1532	Weight Discount	
				1533	Count Discount	
				1534	PCS Discount	
		1540	Tax	1541	Set Global Tax	
				1542	Global Tax Number	
1600	Report	1610	X1 Report	1611	Scale	
				1612	PLU	
				1613	Misc. PLU	
				1614	Group	
				1615	Department	
				1616	Hourly	
				1617	Clerk	
		1620	Z1 Report			
		1630	X2 Report	1631	Scale	
				1632	PLU	
				1633	Misc. PLU	
				1634	Group	
				1635	Department	
				1636	Hourly	
		1637	Clerk			
1640	Z2 Report					
1650	Clear All					

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

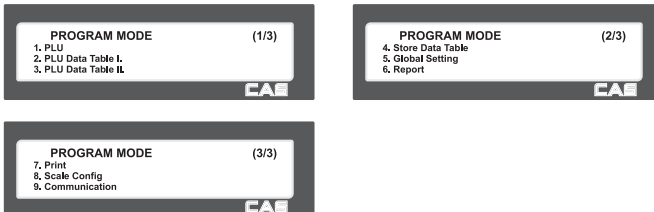
CODE	Menu	CODE	Sub Menu	CODE	Sub Menu
1900	Communication	1910	Network Setting	1911	Service Type
				1912	DHCP
				1913	IP
				1914	Remote IP
				1915	RS232C
				1916	WLAN Setting
				1917	WLAN Config
		1920	Application		
		1930	Scale Lock/Unlock		
		1940	Check Scale		
1950	Backup to Scale				

You can have an access to the Program Menu screen by pressing the MENU key.

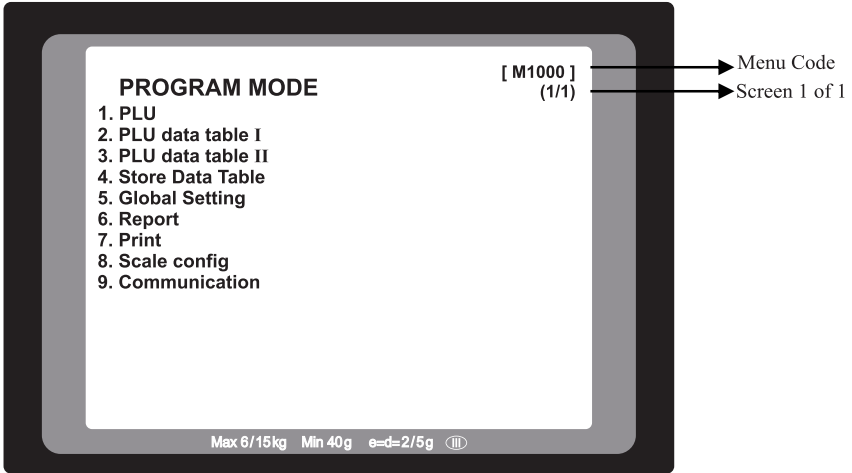
The 2 numbers at top right (1/3) indicates the number of pages or screens. The number on the left slash is the current page or screen number and the number of the right slash indicates the total number of pages or screens. You can use the PG UP and PG DOWN keys to navigate from page to page, or you can use the Arrow keys on the menu keypad to go through each page. Each type of the CL-5000 will show this function on the screen as seen below sample pictures.



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



The Screen capture of CL5000-G is as seen bellow



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

## 2.1 PLU Programming

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

No	Item	Description
1	Department	Department No.
2	PLU No	PLU No.
3	PLU Type	Select PLU type among By Weight, By Count or By-PCS
4	Name	Enter name 1 of item. Maximum 40 characters.
5	Name 2	Enter name 2 of item. Maximum 40 characters.
6	Name 3	Enter name 3 of item. Maximum 40 characters.
7	Group No.	Select group number. This value can be from 0 to 99.
8	Label No.	(0~99) (0=Do not use Label No.), Label Formats "1~30". If Global Setting is YES, it is not shown.
9	Aux. Label No.	(0~99) (0=Do not use Label No.), Label Formats "1~30". This function prints aux. label as saved number of label number
10	Origin No.	(0~500) 0=Do not use origin.
11	*Unit Weight	Unit weight of Price(No.19) (2:unit price for 100g, 1:unit price for 1kg)
12	*Fixed Weight	The weight is fixed regardless of item
13	Prefix	Enter serial code for PLU (Greece version of CL5000 series)
14	Item code	Item code
15	Use Fixed Price Type	You can set whether use Fixed Price or not
16	Pieces	(0-999) Set the number for By-PCS PLU
17	Quantity Symbol ID	(0~8) Set symbol of PCS or Count
18	Fixed price	Price is fixed regardless of weight or pcs
19	(Unit) Price	This value can be from 0 to 999999.
20	Special Price	It can be unit price by using Special key.
21	Tax No.	Enter tax number. This value can be from 0 to9

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

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

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

## 2.1.1 Create By-Weight PLU (Menu code 1120)

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

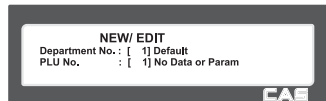
You can press the SAVE key at anytime to save the current PLU data and  
 if you want to exit without saving, press the ESC key.

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

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

- Department should be set previously

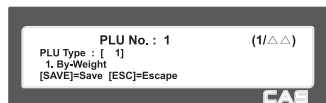
EX) Department No. = [ 1 ] Default  
 PLU No. : [ 1 ]



### 2. Select PLU Type

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

EX) BY-Weight Item

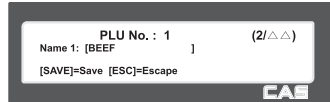


By-Weight PLUs are priced as price-perweight;  
 for example, \$3.99/lb or \$1.99/kg.

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

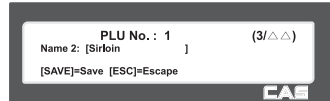
### 3. Enter PLU Name 1

EX) "BEEF"



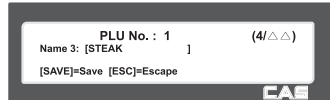
### 4. Enter PLU Name 2

EX) "Sirloin"



### 5. Enter PLU Name 3

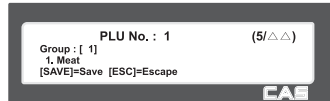
EX) "STEAK"



### 6. Select Group

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

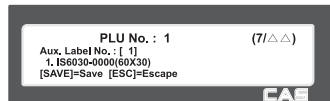
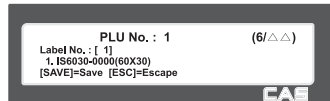
EX) 1. Meat



### 7. Select Label Format

- If you enter 0, standard label format (menu code 1510) is used.
- For details about label format, refer to 8. Setting Global option

EX) 1. IS6030-0000(60x30)



## 8. Select Origin

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

EX) 49. China

4 9 PRINT

PLU No. : 1 (8/△△)  
Origin No. : [ 1 ]  
49. China  
[SAVE]=Save [ESC]=Escape

## 9. Enter Fixed Weight

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

EX) Do not use Fixed Weight

0 PRINT

PLU No. : 1 (9/△△)  
FixedWeight : [ 0.000 ] Kg  
[SAVE]=Save [ESC]=Escape

## 10. Enter Prefix

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

EX) Do not use Fixed Weight

1 PRINT

PLU No. : 1 (10/△△)  
Prefix : [ 1 ]  
[SAVE]=Save [ESC]=Escape

## 11. Item Code

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

EX) Item Code = 1941

1 9 4 1 PRINT

PLU No. : 1 (11/△△)  
ItemCode : [ 1941 ]  
[SAVE]=Save [ESC]=Escape

## 12. Use Fixed Price Type

- 0 : normal price
- 1 : fixed price

1 PRINT

PLU No. : 1 (12/△△)  
Use Fixed Price Type : [ 1 ]  
[SAVE]=Save [ESC]=Escape

## 13. Price

EX) Price = \$10.00

1 0 0 0 PRINT

PLU No. : 1 (13/△△)  
Price : [ 10,00 ]  
[SAVE]=Save [ESC]=Escape

#### 14. Special Price

Note: Special price key must define first menu code (1880)

EX) Price = \$10.00

2 0 0 0 PRINT

PLU No. : 1 (14/△△)  
Special Price : [ 20.00]  
[SAVE]=Save [ESC]=Escape  
CAE

#### 15. Tax No.

- May be changed by setting Menu code 1541.
- If you do not want to use, enter 0 .

EX) Tax data 1

1 PRINT

PLU No. : 1 (15/△△)  
Tax No. : [ 1]  
[SAVE]=Save [ESC]=Escape  
CAE

#### 16. Tare

- You can use Tare Table, depending on the setting of Parameter 584

EX) Tare Value = 100g

1 0 0 PRINT

PLU No. : 1 (16/△△)  
Tare : [ 0.100] Kg  
[SAVE]=Save [ESC]=Escape  
CAE

#### 17. %Tare

EX) 10.00%

1 0 0 0 PRINT

PLU No. : 1 (17/△△)  
%Tare : [ 10.00]  
[SAVE]=Save [ESC]=Escape  
CAE

#### 18. Tare % limit

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

EX) Barcode Data Table 1

1 PRINT

PLU No. : 1 (18/△△)  
Tare %Limit : [ 0.00]  
[SAVE]=Save [ESC]=Escape  
CAE

#### 19. Barcode No.

- You can use barcode ID depending on the setting of Menu code 1520

EX) Barcode Data Table 1

0 PRINT

PLU No. : 1 (19/△△)  
Barcode No. : [ 1]  
EAN-8, DDIMC  
[SAVE]=Save [ESC]=Escape  
CAE

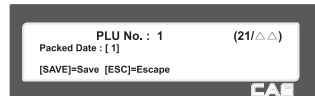
## 20. Produced Date

- 0 : No print
- 1 : Today
- 2 : Yesterday



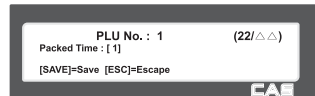
## 21. Packed Date

- 0 : Today
- 1 : Tomorrow
- 2 : Tomorrow + 1day



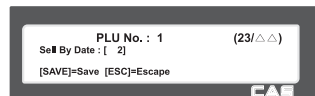
## 22. Packed Time

- current time + up to 99 hrs
- EX) + 1 hour



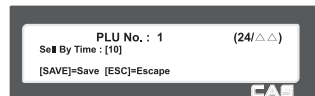
## 23. Sell By Date

- This value can be from 0 to 9999.
- 0 : No print
- 1 : Today
- 2 : Packed date +1
- EX) tomorrow 2



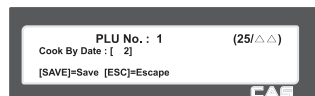
## 24. Sell By Time

- This value can be from 0 to 99.
- 0 : No print
- 1 : packed time + 1 hour
- EX) 10 hours



## 25. Cook By Date

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



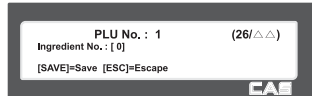
PLU fill in Item	Description	Value				Calculation
		0	1	2	...	
Produced Date	Before Printing Date	No print	Yesterday	Before yesterday	...	Print Date - Input Value(Day)
Packed Date	After Printing Date	Today	Tomorrow	After tomorrow	...	Print Date + Input Value(Day)
Packed Time	After Printing Time	Current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

### 26. Ingredient No.

- If you do not want to use, enter 0

EX) Do not use ingredient

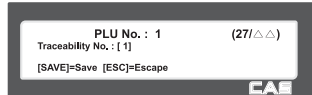
0 PRINT



### 27. Traceability No.

- If you do not want to use, enter 0

1 PRINT

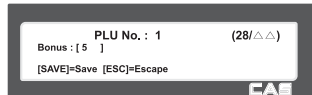


### 28. Bonus

- If you do not want to use, enter 5

EX) Barcode Data Table 1

5 PRINT



### 29. Nutrition. Fact No.

- If you do not want to use, enter 0

1 PRINT



### 30. Sales Message No.

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

EX) Sales Message 1

1 PRINT

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

### 31. Reference PLU Department

- If you do not want to use, enter 0

EX) Do not use Reference PLU  
Department

0 PRINT

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

### 32. Reference PLU No.

- If you do not want to use, enter 0

EX) Do not use reference PLU No.

0 PRINT

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

### 33. Coupled PLU Department

- If you do not want to use, enter 0

EX) Do not use Coupled PLU Department

0 PRINT

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

### 34. Coupled PLU No.

- If you do not want to use, enter 0

EX) Do not use coupled PLU number

0 PRINT

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

### 35. # of Link PLU

- If you do not want to use, enter 0

EX) Sales Message 1

2 PRINT

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

### 36. Link PLU1 Dept

- If you do not want to use, enter 0

EX) Do not use Link PLU1 Dept

0 PRINT

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

### 37. Link PLU1 No.

- If you do not want to use, enter 0

EX) Do not use Link PLU1 No

0 PRINT

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

### 38. Link PLU2 Dept

- If you do not want to use, enter 0

EX) Do not use Link PLU2 Dept

0 PRINT

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

### 39. Link PLU2 No.

- If you do not want to use, enter 0

EX) Do not use Link PLU2 No

0 PRINT

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

## 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

1 PRINT 2 PRINT

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

## 2. Select PLU Type

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

EX) BY-Count Item

2 PRINT

PLU No. : 2 (1/△△)  
PLU Type : [ 2 ]  
2, By-Count  
[SAVE]=Save [ESC]=Escape

## 3. Enter PLU Name 1

EX) PEAR

P E A R PRINT

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

## 4. Qty Unit No.

EX) Qty Unit No. 6

6 PRINT

PLU No. : 2 (1/△△)  
Qty Unit No. : [ 6 ]  
[SAVE]=Save [ESC]=Escape

## 5. Price

EX) Price = \$10.00

1 0 0 0 PRINT

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

### 2.1.3 Create By-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

1 PRINT 3 PRINT

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

#### 2. Select PLU Type

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

EX) BY-PCS Item

3 PRINT

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

#### 3. Enter PLU Name1

EX) CAKE

C A K E PRINT

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

#### 4. Pieces

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

EX) 10 piece

1 0 PRINT

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

#### 5. Qty Unit No.

EX) Qty Unit No. 6

6 PRINT

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

## 2.1.4 Editing PLU (Menu code 1120)

( MENU → 1. PLU → 2. New/Edit )

You can call up existing PLU information for edit.

## 2.1.5 Sample Printing (Menu code 1170)

( MENU → 1. PLU → 7. Sample Printing )

- If you press SAVE key during PLU creating or editing, label will printing sample.

## 2.1.6 Listing PLU (Menu code 1150)

( MENU → 1. PLU → 5. List )

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

### 1. Enter Department No.

- Enter department number that you wish to see

EX) Department No. 1

1 PRINT

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

CAS

### 2. Enter PLU Range

EX) PLU 1~10

- If you want to print PLU list, press the TEST key.

1 PRINT 1 0 PRINT

List (2/2)

Start PLU No : [ 1 ]  
End PLU No : [ 10 ]  
List All - press "SAVE" key

CAS

No. Reference(descript)

1	1	BEEF
2	2	CAKE
3	3	PEAR

CAS

## 2.1.7 Copying PLU (Menu code 1141)

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

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

### 1. Select Source

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

EX) Source Department # = 1

1 PRINT 1 PRINT

COPY (1/2)  
Source Dept. No.: [ 1] Grocery  
Source PLU No.: [ 1] Potato

CAS

### 2. Select Destination

- Enter the Department number where the new PLU(s) will be located

- Enter the PLU number that you wish to copy the Source PLU into

2 PRINT 1 PRINT

COPY (2/2)  
Dest. Dept. No.: [ 2] vegetable  
Dest. PLU No.: [ 1] No Data

CAS

## 2.1.8 Deleting PLU (Menu code 1142)

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

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

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

1 PRINT

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

CAS

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

1 PRINT 1 PRINT

DELETE BY PLU NO (2/2)  
Department No.: [ 1] Grocery  
PLU No.: [ 1]

CAS

## 2.1.9 Moving PLU (Menu code 1143)

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

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

### 1. Select Source

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

EX) Source Department # = 1

1 PRINT 1 PRINT

MOVE (1/2)  
Source Dept. No. : [ 1] Grocery  
Source PLU No. : [ 1] Potato

### 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

2 PRINT 1 PRINT

MOVE (2/2)  
Dest. Dept. No. : [ 2] vegetable  
Dest. PLU No. : [ 6] No Data

## 2.1.10 Selecting PLU field Items (Menu code 1144)

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

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

To enter Y, press Y key or 1 key.

To enter N, press N key or 0 key.

SELECT PLU ITEMS (1/10)  
Name2 : [N]  
Name3 : [N]  
Group No. : [Y]

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

## 2.1.11 PLU Sale Count (Menu code 1145)

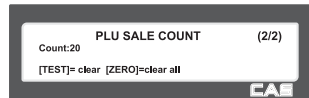
( MENU → 1. PLU → 4. Management → 5. PLU Sale Count

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

- This sale count is used for serial number printing of



- To clear PLU sale count, press the TEST key.

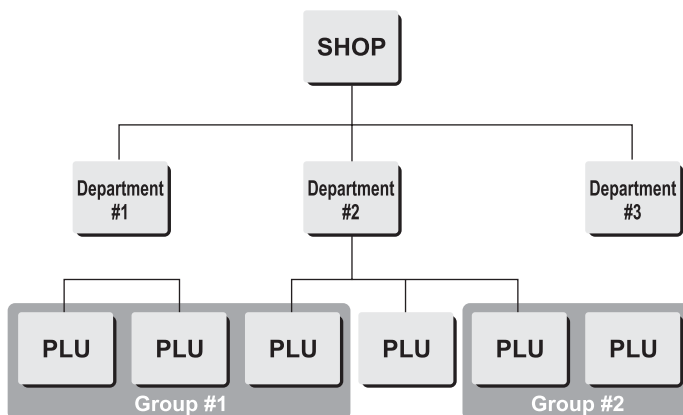


## 2.2 Programming PLU Data Table I

As Department, Group and PLU are organized as following figure. This is important to understand this structure to maximize the CL5000's sophisticated features (label formats, XZ Reports, TAX type, etc)

Note: The "group" can break the hierarchy of department structure. You can organize PLU with your demand, such as product maker, price range, promotion products, etc.

(Group can over-cross department's PLU)



CL5000 has sophisticated discount programming. You can set more easy and detailed sales promotion setting by CL-works(PC program) parameter duplicate.

### 2.2.1 Department (Menu code 1210)

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

If a scale is assigned to department 1 then all of the PLUs that you select at menu (1830) on that scale will be from department 1. You can assign the department. If you want to change the department assignment of the scale, you have to change the setting. Also you have to set Speed key for this department.

## 2.2.2 New/Edit Department (Menu code 1211)

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

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

### 1. Department Number

- Department number is available 1 to 99.

EX) Department No. = 2

2 PRINT

### 2. Department Description

EX) Department Description = GROCERY

G R O C E R Y PRINT

### 3. Speed Key Setting

- Refer to 2.6 Speed Key

EX) Speed key set no. = 1

1 PRINT

## 2.2.3 List Department (Menu code 1212)

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

### 1. Set the department range that you wish to see.

EX) Department 1 to 10

- If you want to print list, press the TEST key.

1 PRINT 1 0 PRINT

No.	Reference	descript
1	1	Default
2	1	GROCERY

## 2.2.4 Delete Department (Menu code 1213)

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

### 1. Enter Department number

EX) Delete department 2



## 2.2.5 Group (Menu code 1220)

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

This menu is to group any PLU(s) regardless the PLU's department. Any individual PLU must be involved in any department, but not in any group.

User may select any PLUs as a group at users needs. Especially, grouping PLU(s) can be used to get total sum for a specific. (maker, price vange, etc)

## 2.2.6 New/Edit Group (Menu code 1221)

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

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

### 1. Enter Group Number

- Group number is available 1 to 99.

EX) Group No = 1



### 2. Enter Group Description

EX) Group Description = BAGEL

## 2.2.7 List Group (Menu code 1222)

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


### 1. Set the group range that you wish to see

EX) 1~10


If you want to print list, press the TEST key.

1 PRINT 1 0 PRINT

LIST GROUP (1/1)  
- Start Number : [ 1 ]  
- End Number : [ 10 ]  
List All-press [SAVE] key



No.	Reference (descript)
1	BAGEL



## 2.2.8 Delete Group (Menu code 1223)

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

### 1. Enter group number

EX) Delete group 1.

1 PRINT

DELETE GROUP (1/1)  
Group No : [1] BAGEL



## 2.2.9 Tax Rate (Menu code 1230)

( MENU → 2. PLU Data Table I → 3. TAXRate )

You can use tax number when you create PLU.

## 2.2.10 New/Edit Tax Rate (Menu code 1231)

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

### 1. Enter tax number

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

1 PRINT

NEW/EDIT TAX RATE (1/2)  
TAX No.: [1]

### 2. Set Tax Type

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

0 PRINT

NEW/EDIT TAX RATE (2/2)  
TAX TYPE (0=Int/1=Ext) : [0]  
TAX Rate : [ 0.00] %

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

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

### 3. Enter Tax Rate

EX) Tax Rate = 5.00%

5 0 0

NEW/EDIT TAX RATE (2/2)  
TAX TYPE (0=Int/1=Ext) : [0]  
TAX Rate : [ 5.00] %

### 4. Exit Menu

- If you want to exit, press ESC key.

X  
ESC

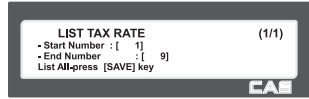
## 2.2.11 List Tax Rate (Menu code 1232)

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

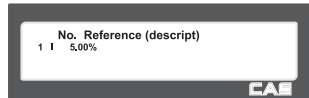
### 1. Set the range of tax rate

EX) 1~9

1 PRINT      9 PRINT



LIST TAX RATE (1/1)  
• Start Number : [ 1 ]  
• End Number : [ 9 ]  
List All-press [SAVE] key



No.	Reference (descript)
1 1	5.00%


## 2.2.12 Delete Tax Rate (Menu code 1233)

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

### 1. Enter tax number

EX) Delete tax number 1

1 PRINT



DELETE TAX RATE (1/1)  
TAX No. : [ 1 ]

## 2.2.13 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.

## 2.2.14 New/Edit Sales Message (Menu code 1241)

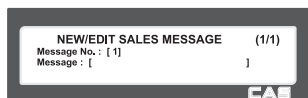
( MENU → 2. PLU Data Table I → 4. Sales Message → 1. New/Edit )

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

### 1. Enter Message Number

- Message number is available 1 to 99

EX) Message No. = 1



### 2. Enter Message

EX) Message = THANK YOU

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



### 3. Exit Menu

- If you want to exit, press ESC key.



## 2.2.15 List Sales Message (Menu code 1242)

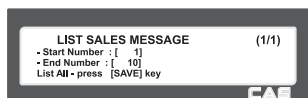
( MENU → 2. PLU Data Table I → 4. Sales Message → 2. List )

### 1. Set the List Range

- Set the range of sales message that you wish to check

EX) 1~10

- If you want to print list, press the TEST key.



## 2.2.16 Delete Sales Message (Menu code 1243)

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

### 1. Enter Message No.

EX) Delete message 1.



## 2.2.17 Origin (Menu code 1250)

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

How to print origin on a label

1. The format that you use contains Origin field
2. Set MENU→8. Scale config→7. Scale Parameter→2. Printing(Print origin for comm. line)

## 2.2.18 New/Edit Origin (Menu code 1251)

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

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

### 1. Enter Origin No.

- Origin number is available 1 to 500

EX) Origin No = 10



### 2. Enter Origin

EX) Origin = KOREA



### 3. Exit Menu

- If you want to exit, press ESC key.



## 2.2.19 List Origin (Menu code 1252)

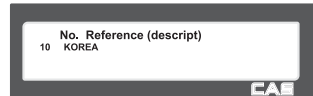
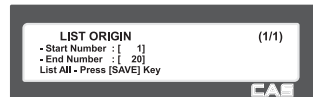
( MENU → 2. PLU Data Table I → 5. Origin → 2. List )

### 1. Set the List Range

- Set the range of origin that you wish to check

EX) 1~20

If you want to print list, press the TEST key.



## 2.2.20 Delete Origin (Menu code 1253)

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

### 1. Enter Origin No.

EX) Delete Origin 10.



## 2.2.21 Barcode (Menu code 1260)

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

You can use barcode when you create PLU.

Barcode can be changed depending on the Global setting of barcode.

## 2.2.22 New/Edit Barcode (Menu code 1261)

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

### 1. Enter Barcode No.

- This value can be from 1 to 99.

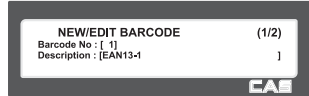
EX) Barcode No = 1



## 2. Barcode Description.



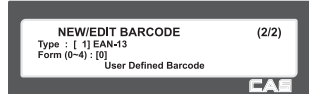
EX) Barcode Description = EAN13-1



## 3. Barcode Type

- Reference following table.

EX) Barcode Type = 1. EAN-13



type of Barcode

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

## 4. Enter Barcode Form

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

EX) Barcode Form = 1. Change DDIIIIIPPPPC to GGIIIIVPPPPC



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

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

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

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

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

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

**5. Exit Menu**

- If you want to exit, press ESC key.



**2.2.23 List Barcode (Menu code 1262)**

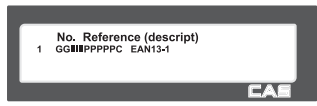
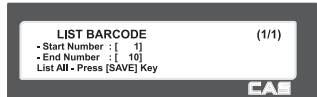
( MENU → 2. PLU Data Table I → 6. Barcode → 1. List )

**1. Set the list range**

- Set the range of barcode that you wish to check

EX) 1~10

If you want to print the list, press the TEST key.



**2.2.24 Delete Barcode (Menu code 1263)**

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

**1. Enter barcode number to delete**

EX) Delete barcode 1.



## 2.2.25 Tare (Menu code 1270)

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

If Parameter 584 option (Use Tare No.) is “Yes” You can set tare number when you create PLU. If it is set to “No” you have to program tare weight again.  
Note: You can program Tare, manually or pre-set value

## 2.2.26 New/Edit Tare (Menu code 1271)

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

### 1. Enter Tare No.

- This value can be from 1 to 99.

EX) Tare No. = 1

1 PRINT

NEW/EDIT TARE (1/2)  
Tare No. : [ 1 ]  
Description : [ ]

### 2. Tare Description

EX) Tare Description = Container

C O N T A I N E R PRINT

NEW/EDIT TARE (1/2)  
Tare No. : [ 1 ]  
Description : [CONTAINER]

### 3. Tare Type

- There are 2 types as below table
- EX) Tare Type = 1, Numeric Tare

If you set Tare Type to 2, put a container on the platter and press the PRINT key. after 2~3 seconds.

Type of Tare

1 PRINT

NEW/EDIT TARE (2/2)  
Tare Type : [ 1 ] → Numeric Tare  
Tare : [ 0.000]kg

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 0.010kg that is programmed here.



### 2.2.27 List Tare (Menu code 1272)

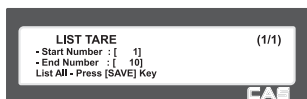
( MENU → 2. PLU Data Table I → 7. Tare → 2. List )

#### 1. Set the list range

- Set the range of tare that you wish to check

EX) 1~10

If you want to print list, press the TEST key.



### 2.2.28 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



## 2.2.29 Tare Key (Menu code 1274)

( MENU → 2. PLU Data Table I → 7. Tare → 4. Tare Key )

You can assign Tare Key. There are 9 Tare keys and you have to set these keys in menu (1880 Key define). See Chapter 2.14.22

Note: can not set double click key

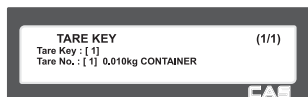
### 1. Enter tare Key.

EX) Tare Key = 1



### 2. Enter tare number

EX) Tare No = 1



## 2.2.30 Unit Symbol (Menu code 1280)

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

You can program the unit symbol to print label.

## 2.2.31 New/Edit Unit Symbol (Menu code 1281)

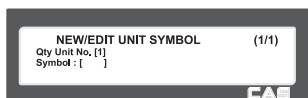
( MENU → 2. PLU Data Table I → 8. Unit Symbol → 1. New/Edit )

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

### 1. Enter unit number

- This value can be from 1 to 8.

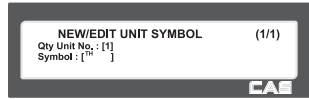
EX) Qty Unit No. = 1



## 2. Enter unit symbol

EX) Symbol = TH

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



## 3. Exit menu

- If you want to exit, press ESC key.



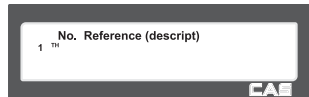
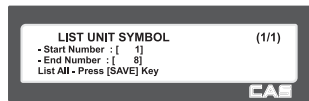
## 2.2.32 List Unit Symbol (Menu code 1282)

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

### 1. Set the list range

EX) 1~8

If you want to print list, press the TEST key.

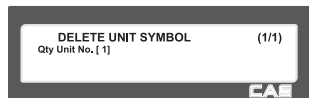


## 2.2.33 Delete Unit Symbol (Menu code 1283)

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

### 1. Enter unit symbol number to delete

EX) Delete unit symbol 1.



## 2.3 Programming PLU Data Table II

### 2.3.1 Ingredient (Menu code 1310)

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

### 2.3.2 New/Edit Ingredient (Menu code 1311)

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

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

#### 1. Enter ingredient number.

- This value can be from 1 to 999.

EX) Ingredient number = 1



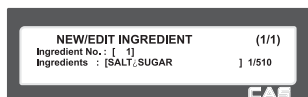
#### 2. Enter ingredient

EX) Ingredient Line1 = SALT

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

The number of right side of "[ ]" is digit and total number of character.

Pressing "PAGE UP/DN" key turns to next or previous page.



#### 3. Exit menu

- If you want to exit, press ESC key.



### 2.3.3 List Ingredient (Menu code 1312)

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


#### 1. Set the list range

EX) 1~10


If you want to print list, press the TEST key.

1 PRINT      1 0 PRINT

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



No. Reference(descript)  
1 SALT SUGAR



### 2.3.4 Delete Ingredient (Menu code 1313)

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

#### 1. Enter ingredient number to delete

EX) Delete ingredient no. 1

1 PRINT

DELETE INGREDIENT (1/1)  
Ingredient No. : [ 1 ]



### 2.3.5 Nutrition Facts (Menu code 1320)

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

You can program nutrition facts for your needs you can link up the data to PLU. The printing size may differ depending on label format.

## Nutrition Facts table

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

### 2.3.6 New/Edit Nutrition Facts (Menu code 1321)

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

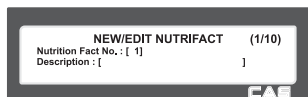
You can press the **SAVE** key at anytime to save the current data and if you want to exit without saving, press the **ESC** key.

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

#### 1. Nutrition Fact No

- This value can be from 1 to 500.

EX) Nutrition fact no = 1



## 2. Enter description

EX) BEEF STEW

B	E	E	F	
S	T	E	W	PRINT

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

## 3. Enter Serving Size

EX) Serving size = 1CUP

1	C	U	P	PRINT
---	---	---	---	-------

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

## 4. Serving Per Container

EX) Serving Per Container = 2

2	PRINT
---	-------

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

## 5. Calories

EX) Calories = 230

2	3	0	PRINT
---	---	---	-------

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

## 6. Calories from fat

EX) Calories From Fat= 120

1	2	0	PRINT
---	---	---	-------


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

## 7. Total Fat

EX) Total fat = 14 g

1 4 PRINT

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




## 8. Saturated fat

EX) Saturated fat = 7 g

7 PRINT

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




## 9. Cholesterol

EX) Cholesterol = 40 mg

4 0 PRINT

	<b>NEW/EDIT NUTRIFACT</b>	<b>(5/10)</b>
Cholesterol	: [ 40 ] mg	
Sodium	: [ 0 ] mg	




## 10. Sodium

EX) Sodium = 950 mg

9 5 0 PRINT

	<b>NEW/EDIT NUTRIFACT</b>	<b>(5/10)</b>
Cholesterol	: [ 40 ] mg	
Sodium	: [ 950 ] mg	




## 11. Total Carbohydrate

EX) Total Carbohydrate = 16 g

1 6 PRINT

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




## 12. Dietary Fibers

EX) Dietary Fiber = 2 g

2 PRINT

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




### 13. Sugars

EX) Sugars = 3 g

3 PRINT

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




### 14. Protein

EX) Protein = 11 g

1 1 PRINT

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




### 15. Vitamin A

EX) Vitamin A = 20%

2 0 PRINT

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




### 16. Calcium

EX) Calcium = 2%

2 PRINT

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




### 17. Vitamin C

EX) Vitamin C = 0 %

0 PRINT

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




### 18. Iron

EX) Iron = 6 %

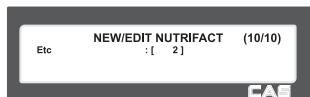
6 PRINT

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



## 19. Etc

EX) Etc = 2



## 20. Exit menu

• If you want to exit, press ESC key.



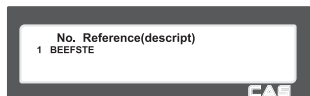
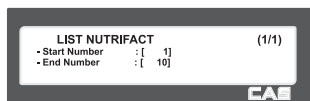
## 2.3.7 List Nutrition Facts (Menu code 1322)

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

### 1. Set the list range

EX) 1~10

If you want to print list, press TEST key.



## 2.3.8 Delete Nutrition Facts (Menu code 1323)

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

### 1. Enter nutrition fact number to delete.

EX) Delete nutrition facts no.1



## 2.4 Discount Programming

### 2.4.1 Discount (Menu code 1130)

( MENU → 1. PLU → 3. Discount )

You can set more easy and detailed sales promotion by CL - works (PC program)  
You have to set discount information for each PLU.

### 2.4.2 New/Edit Discount (Menu code 1131)

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

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

#### 1. Enter department number and PLU number.

EX) Ingredient number = 1

1 PRINT      1 PRINT

NEW/EDIT DISCOUNT		(1/7)
Department No.:	[ 1 ] Default	
PLU No.:	[ 1 ] BEEF	

CAE

#### 2. Enter discount type

- Refer to Discount Type table as below

Discount information can be different  
depending on the discount type.

EX) 1. Unit Price Discount

1 PRINT

WEIGHT DISCOUNT		(2/7)
Discount Type:	[ 1 ]	
1. Unit Price Discount		

CAE

## Discount Type

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

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

### 3. Enter discount value

- Refer to 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.

1 0 0 PRINT

1 0 0 PRINT

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

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

5 0 0 PRINT

2 0 0 PRINT

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

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

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

1 -> Discount

0 -> Do not discount

EX) Discount on Thursday, Friday and Saturday

0 0 0 0

1 1 1 PRINT

NEW/EDIT DISCOUNT (5/7)  
 Input '1' or '0' : [SMTWTFS]  
 Day of Week : [0000111]  
 CAE

## 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: 04-07-01  
End Date : 04-07-31

EX) Start Time: 8am  
End Time: 6:30pm

0	4	0	7	0	1	PRINT
0	4	0	7	3	1	PRINT

**NEW/EDIT DISCOUNT** (6/7)

Start Date : [04-07-01] YY-MM-DD  
End Date : [04-07-31] YY-MM-DD

**CAS**

0	8	0	0	0	0	PRINT
1	8	3	0	0	0	PRINT

**NEW/EDIT DISCOUNT** (7/7)

Start Time : [08:00:00] 0..23 Hour  
End Time : [18:30:00] 0..23 Hour

**CAS**

## 6. Exit menu

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



## 2.4.3 List Discount (Menu code 1132)

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

### 1. Enter department number to check

EX) Department No 1.

1	PRINT
---	-------

**LIST DISCOUNT** (1/2)

Department No: [ 1 ]

**CAS**

### 2. Enter PLU range to check

EX) PLU 1~10

1	PRINT	1	0	PRINT
---	-------	---	---	-------

**LIST DISCOUNT** (2/2)

Start PLU No : [ 1 ]  
End PLU No : [ 10 ]  
List All - Press 'SAVE' Key

**CAS**

## 2.4.4 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.

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

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

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

1 PRINT

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

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

EX) Department number = 2

2 PRINT

1 PRINT

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

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

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

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

2 PRINT

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

### 1. Enter the department number to delete

EX) Department number = 2

2 PRINT

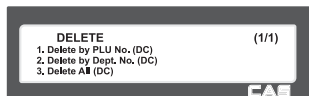
DELETE BY DEPT. NO(DC) (1/1)  
Deptment No. : [ 2] Grocery

## 2.4.7 Delete ALL (DC) (Menu code 1139)

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

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

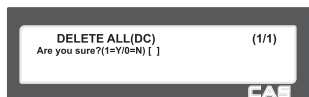
3 PRINT



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

EX) Press 1 key to select Delete all (DC)

1 PRINT



## 2.5 Global Discount Programming

### 2.5.1 Global Discount (Menu code 1530)

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

You can apply same discount regardless of PLU.

### 2.5.2 Priority Setting (Menu code 1531)

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

You can set discount type. Refer to Discount Priority Setting Table as below.

You can see discount information on the display by setting of menu code (1871) and also you can check it on a label. (See chapter 2.14.21)

#### Discount Priority Setting

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

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

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

If you want to apply same discount regardless of PLU, you can set discount information in menu code, 1532, 1533 and 1544. Refer to Discount Programming on 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)

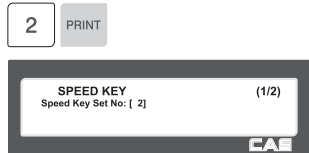
This menu is to set speed keys , short-cut keys, for most frequently used PLUs to simply call up them. You can program up to 5 speed key set. Remember that there is a SHIFT (double click) key that allows you to doubleuse the Speed Keys. You can use speed key set number when you program menu 1211.(See chapter 2.2.2)

You can not assign the function key as speed keys.

### 1. Speed Key Set No.

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

EX) Speed key set No. = 2

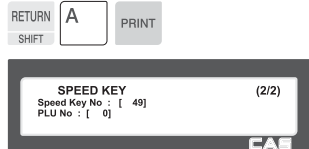
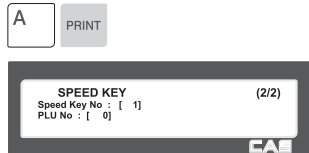


### 2. Speed Key Programming

- The Speed keys are numbered left-to-right and top-to-bottom. for standard type, there are 48 physical keys but using SHIFT key you can use up to 96 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

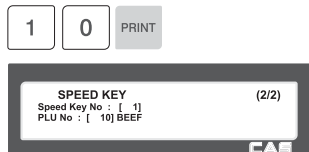
EX2) Speed key no. 49



### 3. PLU No.

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

EX1) PLU 10 = BEEF



## 2.7 Traceability

### 2.7.1 Traceability (Menu code 1330)

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

You can set history of products. Follow local traceability regulations.  
Note: You need to pre-set country code first.

### 2.7.2 New/Edit Traceability (Menu code 1331)

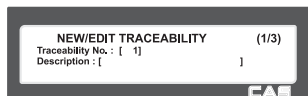
( MENU → 3. PLU Date Table II → 3. Traceability → 1. New/Edit )

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

#### 1. Enter traceability number

- This value can be from 1 to 99.

EX) Traceability number = 1



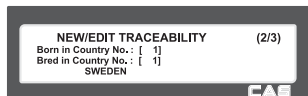
#### 2. Enter description

EX) Description = SIRLOIN



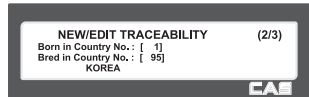
#### 3. Born in country number

EX) Born in country No. = 1. SWEDEN



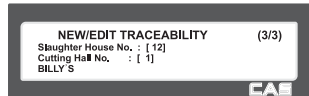
#### 4. Bred in country number

EX) Bred in country No. = 95. KOREA



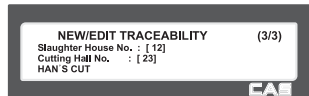
#### 5. Slaughter house number

EX) Slaughter house No. = 12. BILLY S



#### 6. Cutting hall number

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



#### 7. Exit menu



- If you want to exit, press ESC key.

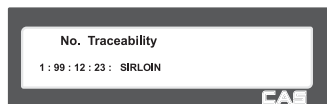
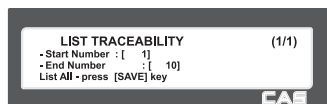
### 2.7.3 List Traceability (Menu code 1332)

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

#### 1. Set the list range

- Set the list range to check

If you want to print list, press the TEST key.



## 2.7.4 Delete Traceability (Menu code 1333)

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

### 1. Enter traceability number to delete

EX) Delete traceability no. 2

DELETE TRACEABILITY (1/1)  
Traceability No : [ 2 ]  
CAS

## 2.8 Country Programming

### 2.8.1 Country (Menu code 1340)

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

You can use country data when you program traceability.

### 2.8.2 New/Edit Country (Menu code 1341)

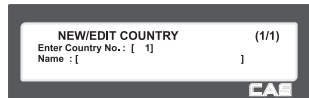
( MENU → 3. PLU Date Table II → 4. Country → 1. New/Edit )

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

#### 1. Enter country number

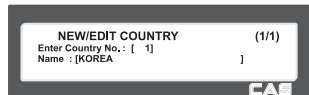
- This value can be from 1 to 250.

EX) Country No. = 1



#### 2. Enter country name

EX) Name = KOREA



#### 3. Exit menu

- If you want to exit, press ESC key.



## 2.8.3 List Country (Menu code 1342)

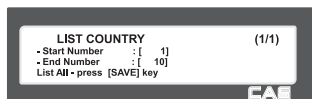
( MENU → 3. PLU Date Table II → 4. Country → 2. List )

### 1. Set the list range

- Set the list range to check

EX) 1~10

If you want to print list, press the TEST key.

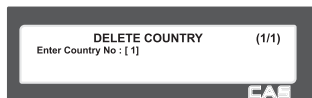


## 2.8.4 Delete Country (Menu code 1343)

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

### 1. Enter country number to delete

EX) Delete country no. 1



## 2.9 Programming Slaughter House

### 2.9.1 Slaughter House (Menu code 1350)

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

You can use slaughter house data when you program traceability.

### 2.9.2 New/Edit Slaughter House (Menu code 1351)

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

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

#### 1. Enter slaughter House number

- This value can be from 1 to 99..

EX) Slaughter house No. = 1



NEW/EDIT SLAUGHTER HOUSE (1/1)  
Enter Slaughter House No. : [ 1 ]  
House : [ ]  
Country : [ ]

#### 2. Enter Slaughter House

- Enter slaughter house name or registered number.

EX) Slaughter house registered no. = KSH12



NEW/EDIT SLAUGHTER HOUSE (1/1)  
Enter Slaughter House No. : [ 1 ]  
House : [KSH12]  
Country : [ ]

#### 3. Enter slaughter house country number

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

EX) Slaughter house Country No. = 1.  
KOREA



NEW/EDIT SLAUGHTER HOUSE (1/1)  
Enter Slaughter House No. : [ 1 ]  
House : [KSH12]  
Country : [ 1 ]

#### 4. Exit menu

- If you want to exit, press ESC key.



## 2.9.3 List Slaughter House (Menu code 1352)

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

### 1. Set the list range

- Enter list range to check

EX) 1~10

1	PRINT	1	0	PRINT
---	-------	---	---	-------

LIST SLAUGHTER HOUSE (1/1)  
- Start Number : [ 1 ]  
- End Number : [ 10 ]  
List All - press [SAVE] key  
CAS

## 2.9.4 Delete Slaughter House (Menu code 1353)

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

### 1. Enter slaughter House number

- 1. Enter slaughter house number to delete

EX) Delete slaughter house no. 1

1	PRINT
---	-------

DELETE SLAUGHTER HOUSE (1/1)  
Enter Slaughter House No : [ 1 ]  
CAS

## 2.10 Programming Cutting Hall

### 2.10.1 Cutting Hall (Menu code 1360)

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

You can use this cutting hall data when you program traceability.

### 2.10.2 New/Edit Cutting Hall (Menu code 1361)

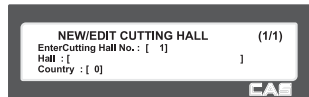
( MENU → 3. PLU Date Table II → 6. Cutting Hall → 1. New/Edit )

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

#### 1. Enter cutting hall number

- This value can be from 1 to 99

EX) Cutting hall no. = 1



#### 2. Enter cutting hall information

- Enter cutting hall name or registered number.

EX) Cutting hall registered number = KSH12



#### 3. Cutting hall Country number

- You can use country number which is programmed at menu 1341 (See page 74)

EX) Cutting Hall Country no. = 1.  
KOREA



#### 4. Exit menu

- If you want to exit, press ESC key.



## 2.10.3 List Cutting Hall (Menu code 1362)

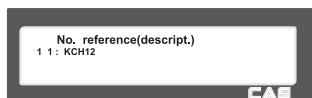
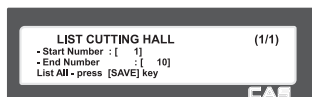
(MENU → 3. PLU Date Table II → 6. Cutting Hall → 2. List)

### 1. Set the list range

- Set the list range to check

EX) 1~10

If you want to print list, press the TEST key.

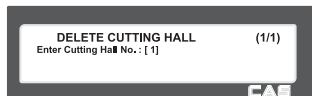


## 2.10.4 Delete Cutting Hall (Menu code 1363)

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

### 1. Enter cutting hall number to delete

EX) Delete cutting hall no. 1



## 2.11 Programming Store Data

This chapter explains how to access, program STORE data table (Price Look Up) in CL5000 series.

### 2.11.1 Store Data (Menu code 1410)

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

This section shows how to create, edit, list and delete store, customer, and advertisement message data.

### 2.11.2 New/Edit Store (Menu code 1411)

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

#### 1. Enter store number.

EX) #1

A screenshot of the 'NEW/EDIT STORE' screen. At the top left, there is a button with the number '1' and a 'PRINT' button. The screen displays 'NEW/EDIT STORE (1/2)' with 'Store No. : [ 1 ]' and 'Name : [ ]'. The CAE logo is in the bottom right corner.

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

EX) NAME = CAS STORE

A screenshot of the 'NEW/EDIT STORE' screen. Above the screen are buttons for 'C', 'A', and 'S'. Below the screen are buttons for 'S', 'T', 'O', 'R', 'E', and a 'PRINT' button. The screen displays 'NEW/EDIT STORE (1/2)' with 'Store No. : [ 1 ]' and 'Name : [CAS STORE]'. The CAE logo is in the bottom right corner.

#### 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

A screenshot of the 'NEW/EDIT STORE' screen. The screen displays 'NEW/EDIT STORE (2/2)' with 'TEL. : [2019339002]' and 'Text : [NJ CAS OFFICE]'. The CAE logo is in the bottom right corner.

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



### 2.11.3 List Store (Menu code 1412)

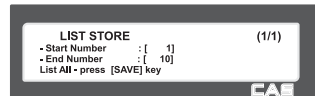
( MENU → 4. Store Data Table → 1. Store → 2. List Store )

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

#### 1. Set the list rang

- Set the list range to check

EX) 1~10



### 2.11.4 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



## 2.11.5 Customer (Menu code 1420)

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

This section shows how to register customers account and their information. Customer information is to manage the specific customer s account receivable.

\* Customer registration is used for printing a receipt of credit transactions  
EX) Pre-paid customer, monthly payment, etc.

## 2.11.6 New/Edit Customer (Menu code 1421)

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

1. Enter Customer number and press “PRINT” key.

EX) Customer No.=1,



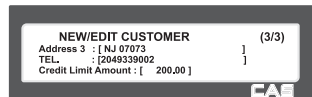
2. Enter other informations in [ ], such as Name, Address1, and Address2.

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



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

EX) ADDRESS=NJ 07073  
TEL=2019339002  
CREADIT LIMIT AMOUNT0=200.00



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



## 2.11.7 List Customer (Menu code 1422)

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

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

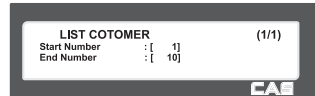
### 1. Set the list range

- Set the list range to check

1 PRINT      1 0 PRINT

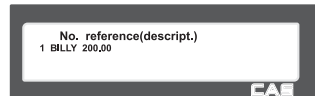
EX) 1~10

If you want to print list, press the TEST key.



LIST COTOMER (1/1)  
Start Number : [ 1 ]  
End Number : [ 10 ]

CAS



No. reference(descript.)  
1 BILLY 200,00

CAS

## 2.11.8 Delete Customer (Menu code 1423)

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

- ➔ This menu is to delete the CUSTOMER user wish to.
- ➔ Press 3 in CUSTOMER menu to get into DELETE CUSTOMER menu.
- ➔ Press SAVE key to list all of CUSTOMER informatoin saved.

### 1. Enter customer to delete

EX) Delete customer N0.=1

1 PRINT



DELETE STORE (1/1)  
Store No. : [ 1 ]

CAS

## 2.11.9 Scroll Message (Menu code 1430)

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

This function is to set the scrolling advertisement on LCD Display.

## 2.11.10 Configuration (Menu Code 1431)

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

### 1. Configuration

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

EX) Wait-time = 5  
Speed means the message scrolling speed. Enable to set the speed from 1 to 9.  
(Except CL5000-G)  
Default speed: 4 (recommended).

5 PRINT

4 PRINT



## 2.11.11 Edit Scroll Message (Menu Code 1432)

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

### 1. Input and edit Message

- User may input up to five messages and select two different scrolling effect.

To have this function operate, input messages No. and message need to be assigned.



### 2. Input Image No.(only CL5000-G)

- User may input up to 14 images.  
Please input messages No.  
Only operate when scroll message is set "3"  
Image appears when text & image are set to operate together.

### 3. Input Fontsize (only CL5000-G)

- User may input up to 4 font sizes.  
Please input font size.

.this function will only operate when scroll message is set to operate.

#### 4. Set Speed (only CL5000-G)

- Speed means the scrolling/blinking speed.  
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)

#### 5. Input Blink Counts (only CL5000-G)

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

#### 6. 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



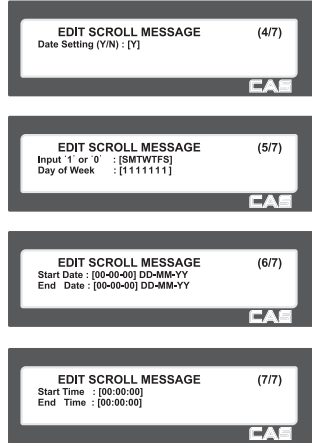
#### 7. Select use or unuse for scrolling Message

- Y : USE  
N : NO USE



### 8. Set date of scroll message

- If you set Y [1] at Date Setting, you can go to next screen to set day of week. (For example, if you set M to 0, scroll message is not shown on Monday.)
- You have to enter date.  
If you set Start Date to 00-00-00, it means that scroll message is shown from now and if you set End Date to 00-00-00, it means that scroll message is shown from now until December 31, 99
- You have to enter time.  
You have to enter hour, minute, and second in regular sequence and start time should be lower than end time.



### 2.11.12 List Scroll Message (Menu Code 1433)

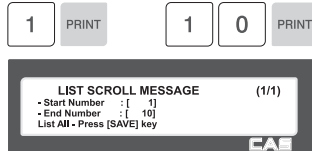
( MENU → 4. Store Data Table → 3. Scroll Message → 3. List )

This function is to set the scrolling advertisement on LCD Display.

#### 1. Set the list range

- Set the list range to check

EX) 1~10



### 2.11.13 Currency (Menu code 1440)

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

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

Please refer to Menu 1880 Function key definition .

## 2.11.14 New/Edit Currency (Menu Code 1441)

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

### 1. Numbering Currency

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

EX) Currency No. = 1

1 PRINT

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

### 2. Rate Decimal Point

- Enter the Rate Decimal Point (default = 4)

EX) Rate Decimal Point = 3

3 PRINT

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

### 3. Currency Rate.

- Enter comparative rate of currency to default currency set.

EX) Default currency = \$1.00

Comparative currency rate to default  
Currency  
= ₩ 1,2800.

1 2 8 0 0 PRINT

NEW/EDIT CURRENCY (2/3)  
Currency Rate : [ 12.800]  
Primary Sign : [ 1 ]

### 4. Primary Sign

- Enter the first currency sign to be changed.

EX) Primary Sign = \$

CHAR 8 0 PRINT

NEW/EDIT CURRENCY (2/3)  
Currency Rate : [ 12.800]  
Primary Sign : [ \$ ]

### 5. Last Symbol

- Enter the last currency symbol to be changed.

EX) No last symbol

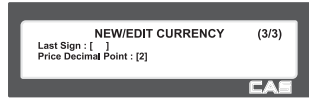
PRINT

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

## 6. Price Decimal Digit

- Enter the number of decimal digit

EX) Price Decimal point digit = 2



Printing formats of currency symbol

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

## 2.11.15 List Currency (Menu Code 1442)

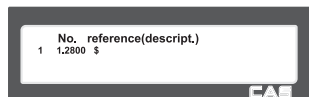
( MENU → 4. Store Data Table → 4. Currency → 2. List )

### 1. Set the list range

- Set the list range to check

EX) 1~4

If you want to print list, press the TEST key.



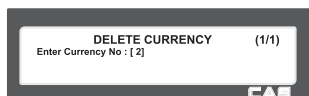
## 2.11.16 Delete Currency (Menu code 1443)

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

### 1. Currency number to delete

EX) Delete Currency no. 2



## 2.11.17 Job Batch Schedule (Menu code 1450)

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

This menu is used to set sequential printing of several labels by previous setting.

## 2.11.18 New/Edit Job Batch Schedule (Menu code 1451)

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

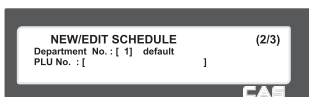
### 1. Job Batch No.

- Enter the number of Job Batch Schedule to create.  
You can use 1-10.

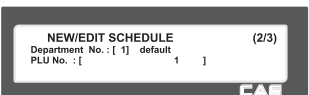
### 2. Department No.

- Enter the number of Department to call.

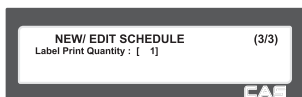
### 3. PLU No.

- 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.



### 2.11.19 List Job Batch Schedule (Menu code 1452)

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

#### 1. Set the list range

- Set the list range to check

EX) 1~1999

### 2.11.20 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



### 2.11.21 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.

### 2.11.22 New/Edit Scanner Conversion Table (Menu code 1461)

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

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

#### 1. Setting up scan code No

Maximum number of Conv 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

### 2.11.23 List Scanner Conversion Table (Menu code 1462)

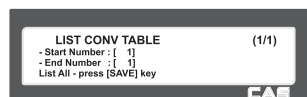
( MENU → 4. Store Data Table → 6. Scanner → 2. List Conv Table )

#### 1. Set the list range

- Set the list range to be checked

EX) 1~1999

1 PRINT



### 2.11.24 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

2 PRINT



### 2.11.25 Scanner Config (Menu code 1464)

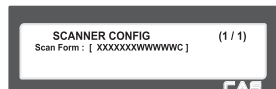
( MENU → 4. Store Data Table → 6. Scanner → 4. Scanner Config )

#### 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 X X X X X X  
 W W W W W C PRINT



-“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 : [ XXXXXXXXWWWWC ]

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

- From 8 to 12 digets“WWW”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 : [ XXXXXXXXXXXXXXX ]

- 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 menu1461.

- It is possible to enter codes by using bar code scanner.

## 2.11.26 Label Format Key Table (Menu code 1470)

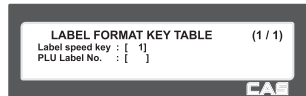
( MENU → 4. Store Data Table → 7. Label Format Key Table )

There is a function to change label format by using speed key. This menu is used to set this function.

You can use this function, after assigning empty key to that Function Key(83-90).

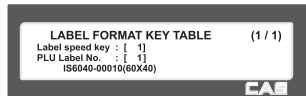
### 1. Label Speed Key

Enter the number1-8 you want.



### 2. PLU Label No.

Enter the label number to be assigned that function key.



## 2.12 Programming Global Setting

### 2.12.1 Global Label Format (Menu code 1510)

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

Pre-programmed fixed label formats are from #1 to #30 and these formats cannot be modified.

Label format #51~#70 are free formats that users may modify at their needs. Users may download one into the scale and set a specific free label format. (Refer to 4.2 Label format on Appendix part.)

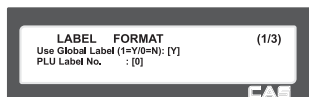
You can press the SAVE key at anytime to save the current data and if you want to exit without saving, press the ESC key.

#### 1. Global Label

- If you use Global Label, enter 1. If not, enter 0.
- If you set it to 1, 1st format number is ignored which is set in PLU programming  
2nd label format is printed if it is set.

EX) Use global label

1 PRINT

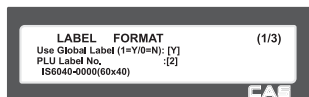


#### 2. Set PLU label No.

- Set PLU label number

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

2 PRINT

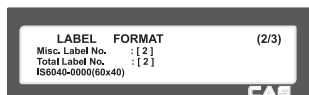


#### 3. Set Miscellaneous label number

- Set label format for miscellaneous item.

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

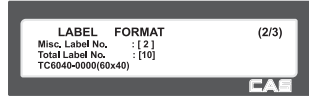
2 PRINT



#### 4. Set total label number

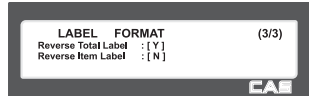
- Set label format of total label for Add-Up sales.

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



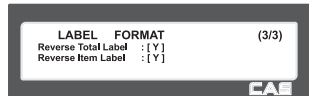
#### 5. Set printing direction of total label

EX) Reverse Total Label = Y.



#### 6. Set printing direction of PLU and Misc. item

EX) Reverse Item Label = Y



#### 7. Exit menu

- If you want to exit, press ESC key.



### 2.12.2 Barcode Format (Menu code 1520)

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

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


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

### 1. Set Global Barcode

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

1 PRINT

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




### 2. Set barcode number for by-weight PLU

EX) PLU Weight barcode No. = 2

2 PRINT

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




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

EX) PLU Count barcode No. = 2

2 PRINT

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




### 4. Set barcode number for by-PCS PLU

EX) PLU PCS barcode No. = 2

2 PRINT

<b>BARCODE</b>		(2/4)
PLU PCS Barcode No.	:	[2]
PLU Fixed Barcode No.	:	[2]
Misc. Weight Barcode No.	:	[0]




### 5. Set barcode number for fixed PLU

EX) PLU fixed barcode No. = 2

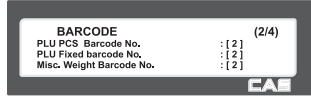
2 PRINT

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



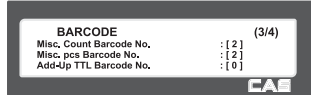
**6. Set barcode number for Misc. weight item**

EX) Misc. weight barcode No. = 2



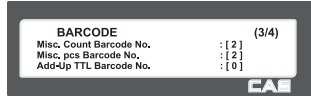
**7. Set barcode number for Misc. count item**

EX) Misc. Count barcode No. = 2



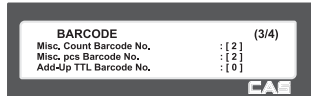
**8. Set barcode number for Misc. PCS item**

EX) Misc. PCS barcode No. = 2



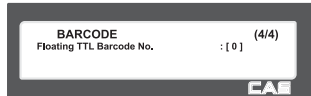
**9. Set barcode number for Add-Up Total**

EX) Add Up TTL barcode No. = 2



**10. Set barcode number for floating Total**

EX) Floating TTL barcode No. = 2



**11. Exit menu**

- If you want to exit, press ESC key.



## 2.12.3 Tax (Menu code 1540)

( MENU → 5. Global Setting → 4. Tax )

This menu is to set up function about Global Tax.

## 2.12.4 Set Global Tax (Menu code 1541)

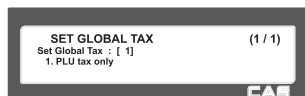
( MENU → 5. Global Setting → 4. Tax → 1. Set Global Tax )

### 1. Setting up Global Tax

1 PRINT

It sets up the applied tax when product sales.

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



## 2.12.5 Global Tax Number (Menu code 1542)

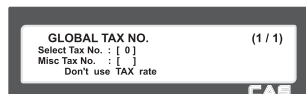
( MENU → 5. Global Setting → 4. Tax → 2. Global Tax No. )

### 1. Set up Select Tax No.

0 PRINT

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)

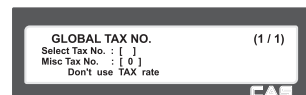


### 2. Misc Tax No.

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



## 2.13 Printing Programming

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

### 2.13.1 Printing (Menu code 1700)

( MENU → 7. Print )



PRINT Submenu

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

### 2.13.2 Print label item (Menu code 1710)

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

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

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

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

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

1 PRINT or 0 PRINT

PRINT LABEL ITEM (1/16)  
 Department Name (Y/N) : [N]  
 Department Number (Y/N) : [N]  
 Group Number (Y/N) : [N]  
 CAS

Print Label Item

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

## 2.13.3 Markdown (Menu code 1720)

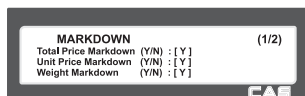
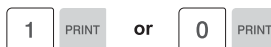
( MENU → 7. Print → 2. Mark down )

Markdown is to select “Yes” or “No” to print both of original and discount information on the label. There are 4 selectable sub-menus on label.

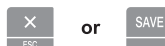
Markdown Sub-menu

No	Sub-menu	Description
1	Total Price Markdown	Select “Yes” to display both of original total price and discount total price if any. Otherwise, select No .
2	Unit Price Markdown	Select “Yes” to display both of original unit price and discount unit price if any. Otherwise, select No .
3	Weight Markdown	Select “Yes” to display both of original weight and discount weight if any. Otherwise, select No .
4	Quantity Markdown	Select “Yes” to display both of original quantity and discount quantity if any. Otherwise, select No .

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



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



## 2.13.4 Printer Hardware (Menu code 1730)

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

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

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



Printer Hardware Sub-Menu

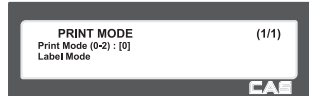
No.	Sub-menu	
1	Print Mode	Select label, ticket or continuous label mode.
2	Label / Ticket Size	If it is Label mode, “ <b>Width(60)</b> ”, “ <b>Height(40)</b> ” and “ <b>Gap length(2)</b> ” size is set, If it is Ticket mode, “ <b>Width(60)</b> ”, “ <b>Feed(20)</b> ” and “ <b>End Margin(5)</b> ” size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

## 2.13.5 Print Mode (Menu code 1731)

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

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

- Press “PRINT” to save.



## 2.13.6 Label Size/Ticket Size (Menu code 1732)

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

Enter values for “Width”, “Height”, “Gap Length”. If you press “TEST” key, height and gap length of current label is measured.

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

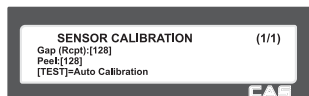


## 2.13.7 Sensor Calibration (Menu code 1733)

( 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.

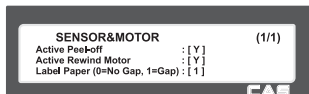


## 2.13.8 Sensor & Motor (Menu code 1734)

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

Enter appropriate values or “Yes” or “No” for “PRINT METHOD TYPE”, “ACTIVE PEEL-OFF”, “ACTIVE REWIND MOTOR”, and “LABEL PAPER”.

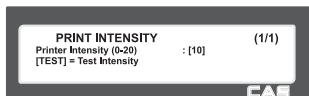
- If there is no gap on a label, set Label Paper to 0, if there a gap, set it to 1.
- When “Ticket Mode” is in “Print Mode”, [Rewind Motor] and [Labe Paper] do not work.



## 2.13.9 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.

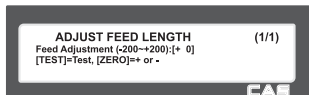


## 2.13.10 Adjust Feed Length (Menu code 1736)

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

Enter any value of the feed alignment from “-200” to “+200”.  
Press “ZERO” to toggle sign.  
Press “TEST” to test feed or “ENTER” to save current “FEED” Length value.

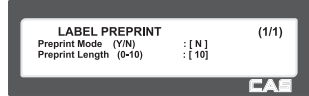
- 1pixel = 0.125mm
- Ex) “+80” will print 10mm higher.  
Ex) “-40” will print 5mm lower.



### 2.13.11 Label Preprint (Menu code 1737)

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

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



Press “TEST” to test preprinting.

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

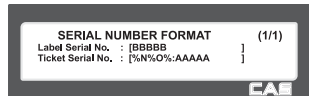


### 2.13.12 Serial Number Format (Menu code 1740)

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

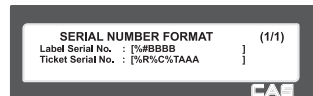
SERIAL NUMBER FORMAT programming is for numbering of label/ticket issued (printed) on label/ticket. User may identify daily total counts of label/ticket used up.

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

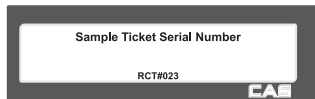
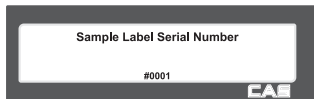


Enter appropriate data in [ ].

EX) #0001 on label  
EX) RCT#001 on ticket



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



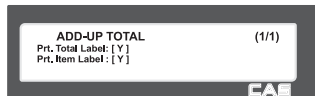
### 2.13.13 Add-Up Total (Menu code 1750)

( MENU → 7. Print → 5. Add-up Total )

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

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

5



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



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



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



Add-up setting

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

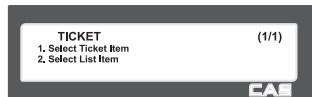
It is applied to Label mode.

### 2.13.14 Ticket (Menu code 1760)

( MENU → 7. Print → 6. Ticket )

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

Press “6” to go to TICKET setting.



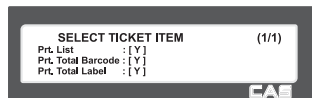
### 2.13.15 Select Ticket Item (Menu code 1761)

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

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



Select “Yes” or “No” for “Print List”,  
Print Total Barcode , and Print Total Label .



## 2.13.16 Select List Item (Menu code 1762)

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

Before setting list item, you have to set "Print List" to "Y" in menu 1761.

Press "2" to get into SELECT LIST ITEM menu.  
Select "Yes" or "No" for "Print Store Name", "Print Clerk Name", and "Print Item Barcode".

2 1 PRINT 1 PRINT 1 PRINT

SELECT LIST ITEM (1/3)  
 Pri. Store Name : [Y]  
 Pri. Clerk Name : [Y]  
 Pri. Item Barcode : [Y]

Select "Yes" or "No" for "Print Tax Information", and "Print Traceability".  
And, select appropriate ID # for "Ticket Head Form" and "Ticket Tail Form".

1 PRINT 1 PRINT 2 PRINT 3 PRINT

SELECT LIST ITEM (2/3)  
 Pri. Tax Information : [Y]  
 Pri. Traceability : [Y]  
 Ticket Head Form No. : [2]

SELECT LIST ITEM (3/3)  
 Ticket Tail Form No. : [3]


### Ticket Format Setting

	Ticket Format Setting	Description
Ticket Item	Print List (Y/N)	■ Printing the list of each sales item(s). * In case of "Yes" selected user can go to "List Item" setting.
	Print Total Barcode	■ Printing total barcode on ticket.
	Print Total Label	■ Printing total amount on ticket.
	Print duplicate ticket	■ Printing duplication of ticket
List Item	Print List duplicate ticket	■ Printing List of items on duplicated ticket Note : N=Printing amount of only total price for duplicate ticket
	Print Store Name	■ Printing store name on ticket.
	Print Clerk Name	■ Printing clerk name on ticket.
	Print Item Barcode	■ Printing every item's barcode on ticket.
	Print Tax Information	■ Printing tax information on ticket.
	Print Traceability	■ Printing traceability information on ticket
	Ticket Head Form No.	■ Printing label format No. for ticket head.
	Ticket Tail Form No.	■ Printing label format No. for ticket tail.

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


## Ticket Format

<b>SELECT TICKET ITEM</b>		<b>(1/1)</b>
Prt. List	: [Y]	
Prt. Total Barcode	: [Y]	
Prt. Total Label	: [Y]	




## List Format


<b>SELECT LIST ITEM</b>		<b>(1/3)</b>
Prt. Store Name	: [Y]	
Prt. Clerk Name	: [Y]	
Prt. Item Barcode	: [Y]	



<b>SELECT LIST ITEM</b>		<b>(2/3)</b>
Prt. Tax Information	: [Y]	
Prt. Traceability	: [Y]	
Ticket Head Form No.	: [2]	



<b>SELECT LIST ITEM</b>		<b>(3/3)</b>
Ticket Tail Form No.	: [3]	



## 2.14 Programming Scale Configuration

### 2.14.1. Scale Configuration (Menu code 1800)

( MENU → 8. Scale Config )

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



### 2.14.2 Sale Mode (Menu code 1810)

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

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

#### Sale Modes

No.	Sale Modes	Description
1	REG: Ticket & Floating	Selecting Ticket and Floating Clerk Mode.
2	REG: Label	Selecting label Mode.
3	REG: Prepack	Selecting Prepack Mode.
4	REG: Label & Floating	Selecting Label and Floating Clerk Mode.
5	Manager	Selecting Manager Mode
6	Repack	Selecting Repack Mode (In this mode, report is not updated.)
7	Self Service & 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)

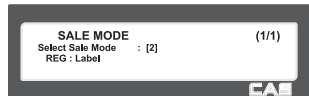
Selecting one of following sale modes, user may select an one-stop setting for Clerk, Operation, Print, and Prepack mode.

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

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.

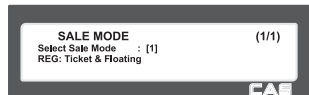
### 1. Select a sale mode

EX) Sale mode = 2.REG: Label



### 2. Select "Floating & Ticket" mode

EX) Sale mode = 1.REG: Ticket & Floating



## 2.14.3 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.

## 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.

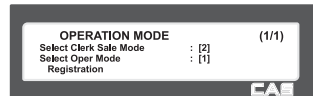
## Operation Modes

No	Operation Modes	Description
1	Registration	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.

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



EX) Clerk Mode=Standard Clerk  
Operation mode=Registration



EX) Operation mode=Registration



## 2.14.4 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 touse PLUs registered in other department than current department he/she should change scale s 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)



Store No.= 1 (Branch #1)



**2.14.5 Date & Time (Menu code 1840)**

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

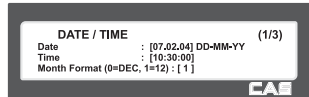
This section is to set scale s DATE & TIME appropriately.

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

EX) DATE= [07.02.04]

TIME= [10:30:00]

Month Format= [1]

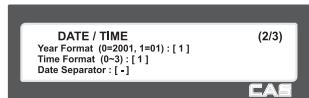


**2. Set “YEAR FORMAT”, TIME FORMAT and separator for “DATE”.**

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

Time Format(0~3) = [1]

Date Separator = [-]



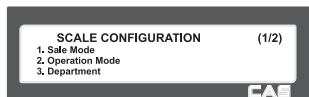
**3. Set separators for “TIME”, using ASCII code table on page**

EX) Time Separator = [:]



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.**



## 2.14.6 User/ Security Configuration (Menu code 1850)

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

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

## 2.14.7 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, NICKNAME, CLERK PASSWORD, CLERK LEVEL, and LABEL MESSAGE NO.

EX) CLERK No.=[2],  
 CLERK NAME =[CHRISTOPER],  
 NICKNAME =[CHRIS],  
 CLERK PASSWORD =[0115],  
 CLERK LEVEL =[3],

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

NEW/EDIT USER in USER'S Security Condition

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

**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.

No.	Level	Description
1	0	It is assigned to employees who is registered but do not use scale.
2	1	Lowest level. Normal employees are assigned to level 1.
3	2	It is proper for chief clerk.
4	3	Highest level. It is proper for store manager.

## 2.14.8 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

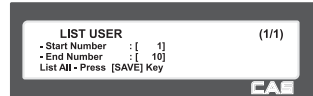
## 2.14.9 List User (Menu code 1853)

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

### 1. Enter start number and end number to check

- To list all, press the SAVE key

EX) 1~10



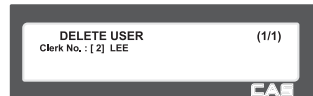
No	Level	Name
1	3	JOHNATHAN
2	3	CHRISTOPHER
3	2	PHILIP

## 2.14.10 Delete User (Menu code 1854)

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

### 1. Enter clerk number to delete

EX) Delete clerk no. 2



## 2.14.11 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 2.14.21

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	Operating	Description
1	Use Item Change Key	Set a permission level for PLU Change Key. (You can define this function key in menu 1880 on chapter 2,14,22)
2	Use Price Change Key	Set a permission level for price change key. (You can define this function key in menu 1880 on chapter 2,14,22)
3	Use Dept. Change Key	Set a permission level for department change key. (You can define this function key in menu 1880 on chapter 2,14,22)
4	Use Pay Key	Set a permission level for Pay key (You can define this function key in menu 1880 on chapter 2,14,22)
5	Use Date Change Key	Set permission level for data change key. (You can define this function key in menu 1880 on chapter 2,14,22)
6	Use Type Change Key	Set a permission level for PLU type change key.(You can define this function key in menu 1880 on chapter 2,14,22)
7	Use Selection PLU Item	Set a permission level for Selecting PLU item (You can define this function key in menu 1880 on chapter 2,14,22)
8	Use Input Weight Key	Set a permission level for In-weight key (You can define this function key in menu 1880 on chapter 2,14,22)
9	Use Edit Discount Key	Set a permission level for discount (You can define this function key in menu 1880 on chapter 2,14,22)
10	Allow Clerk Sale	Set a permission level for password in floating mode
11	Allow Void	Set a permission level to void item
12	Allow ADD-UP	Set a permission level for add-up sales
13	Allow Return	Set a permission level to return item
14	Allow Override	Set a permission level to override price
15	Allow Cash Drawer Open	Set a permission level to open cash drawer
16	Allow Edit Menu	Set a permission level to go to program menu
17	Allow menu for edit PLU	Set a permission level to edit PLU
18	Allow Price Change	Set a permission level to change price
19	Allow Global Set	Set a permission level for global setting
20	Allow X Report	Set a permission level for X report
21	Allow Z Report	Set a permission level for Zreport
22	Allow Store Data Edit	Set a permission level to edit store data
23	Allow Discount Edit	Set a permission level to edit discount

No	Operating	Description
24	Allow Tax Edit	Set a permission level to edit tax
25	Allow Tare Edit	Set a permission level to edit tare
26	Allow Traceability Edit	Set a permission level to edit traceability
27	Allow Customer Edit	Set a permission level to edit customer
28	Allow Scale Configuration	Set a permission level for scale configuration
29	Allow Communication Meg.	Set a permission level for communication message
30	Allow Edit Data Table I,	Set a permission level to edit data table I,
31	Allow Edit Data Table II,	Set a permission level to edit data table II,
32	Allow Printer Setting	Set a permission level for printer setting
33	Allow Change Oper. Mode	Set a permission level to change operation mode
34	Allow Change User Param.	Set a permission level to change user param.
35	Allow Set Communication	Set a permission level for communication setting.
36	Use Save Key	Set a permission level to use save key

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

## 2.14.12 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 31 Clerk keys and you have to set these keys in menu 1880 (Key define). See chapter 2.14.22.

### 1. Enter Clerk Key

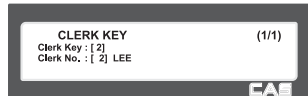
- This value can be from 1 to 31.

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 1880 (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.

## 2.14.13 Test (Menu code 1860)

( MENU → 8. SCALE CONFIG → 6. Test )

This programming is to test the scale by itself in the 7 fields , such as DISPLAY, A/D, KEYBOARD, PRINTER, RINTER SENSOR, MEMORY INFORMATION AND FIRMWARE VERSION.

Press "6" to get into TEST menu.

6



#### 2.14.14 Display Test (Menu code 1861)

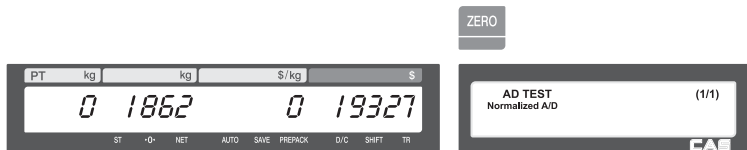
( MENU → 8. SCALE CONFIG → 6. Test → 1. Display )

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

#### 2.14.15 A/D Test (Menu code 1862)

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

To test the A/D, press “2”

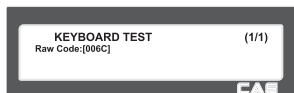


To set zero press “ZERO”  
User may exit from this menu, using “X/ESC” key

#### 2.14.16 Keyboard Test (Menu code 1863)

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

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



#### 2.14.17 Chess Printer Test (Menu code 1864)

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

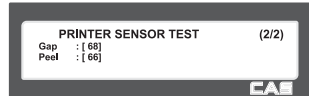
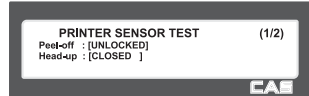
Press “TEST” key to test printing a label.



## 2.14.18 Printer Sensor Test (Menu code 1865)

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

To test printer sensor, press “5” on Test menu screen. The scale shows the conditions of current printer.



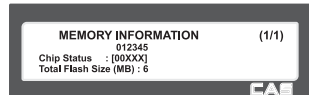
Printer Sensor Test Items

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-sensing Gap value.
4	Peel	To show real time-sensing peel value.

## 2.14.19 Memory Information (Menu code 1866)

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

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



## 2.14.20 Firmware Version (Menu code 1867)

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

You can check firmware version of the scale.



## 2.14.21 Scale Parameter (Menu code 1870)

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

You can set scale's environment as below.

### Scale Parameter

Menu	Sub-menu	Setting Value	Description
1. Display (Menu code:1871)	Display Discount Info	Y/N	The scale shows discount information.
	Show Clerk Nickname	Y/N	The scale shows clerk' s nickname
	PLU Name Align	0: Left alignment 1: Center alignment 2: Right alignment	Set the alignment position of PLU
	Enable Scroll msg with PLU	Y/N	Setting whether scroll message is showed up or not when PLU is called.
2. Printing (Menu code:1872)	Label prt w.o rewind(x Key)	Y/N	Do not use rewind function when you use "X" key.
	Confirm prt report on label	0:Print automatically 1:Need to confirm to print report and do not confirm any more until power off 2:Need to confirm to print report and do not confirm any more until you exit program mode	Set confirm method when you print report in label mode
	Print origin for comm,line	0: Do not print 1: Print in Name 1 2: Print in Name 2 3: Print in Name 3	Print origin in commodity line.
	Print unit symbol in qty area	Y/N	Print Qty Symbol in qty area.
	Print pieces in unit price area	Y/N	Print Pieces in unit price area.
	Print All report within range	Y/N	Print all report
	Swedish auto barcode	0:Not use 1:Price Auto Code 2:Weight Auto Code	Selection the way and whether using Swedish automatic bar code function
	Print pack type	0:Not use 1:alphabet 2:day(Mon, Tue,...) 3:day,year	Setting up the type when packing date is printed
	Print Item when return	0:Do not print 1: Print	Print return list when it returns.

Menu	Sub-menu	Setting Value	Description
3. Sale Setup (Menu code:1873)	Save unit price change	Y/N	Save unit price change.
	Save Type change	Y/N	Save type Change in PLU
	Start save mode (start up)	Y/N	Save mode is active when you turn on the scale.
	PLU clr Aft sale(WT, On Tray)	Y/N	Plu is cleared after printing even though there is an item on the platter.
	Print count w,o misc. key	Y/N	If you enter count, it is considered that misc. Count condition when there is no Misc. Key
	Print weight w,o misc. key	Y/N	If there is an item on the platter, it is considered that misc. weight condition when there is no Misc. Key
	T.price = price + Tax	Y/N	Tax is included in total price
	Shift key instead return Key	Y/N	Use shift key instead of return key.
	Use double speed key	Y/N	Use double speed key
	Use double DATE/TIME key	Y/N	If you double-click, command window will be appear
	Multi-print on discount sale	Y/N	Setting up to print discounted product label repeatedly
	Start auto mede(start up)	Y/N	Setting up to select whether it start with Auto Mode when it boots.
	Enable Quick PLU	Y/N	Once you press the number key, PLU is called immediately.
4. Clerk Logout (Menu code:1874)	Log off after transaction	Y/N	After printing label, automatically Clerk Log off
	Clerk log out Time(0.ls)	1~99	Set clerk log out time.

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

## 2.14.22 Function Key Define (Menu code 1880)

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

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



### 1. Enter key code

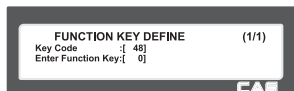
Pole type : 72 Speed Keys

Standard type : 48 Speed Keys.

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

EX1) Standard Type :

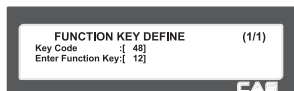
EX1) Press last speed key.



### 2. Enter function key

EX1) Use 12 Function key (LCD

Back\_light ON/OFF) Refer to below table.



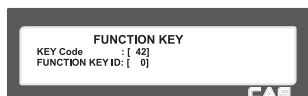
### 3. To cancel function key.

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

EX) Key Code = 42

EX1) Function Key id = 0

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



Function Key.

Function Key	Define	Description
1	[DISC -]	- SALE Key
2	[DISC%]	% SALE Key
3	[SPECIAL SALE]	Special sales unit price
4	[NEGATIVE]	Negative sale
5	[FIXED PRICE]	Fixed Price Key
6	[TYPE CHANGE]	WT/CT Key
7	[CASHOPEN]	Cash Drawer Open Key
8	[GRAND TOTAL]	Grand Total Key
9	[ PLU REFERENCE]	Reference PLU Key
10	[IN WEIGHT]	INWeight Key
11	[LABEL/TICKET]	Toggle between the Label and Ticket
12	[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=1kg, unit2=100g, unit3=N/A lb : unit1=1lb,unit2=1/2lb,unit3=1/4lb
43	[KGLB]	Toggle between the Kg and Lb
44	[PACKDATE]	Pack Date Change Key
45	[TICKET NO]	Edit TicketSerialNumber(Masterscale) input range : 1~99999
50	[PRINTDATE]	Print Date On, Off
51~82	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_33~64]	Clerk key
125	[SCAN CLERK]	Select the scan clerk
126	[BARCODE]	Input barcode number Key
0 or 9999		PLU Key

## 2.15 Report

### 2.15.1 Introduction

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

You can use X1 reports to see current daily totals and X2 reports to see current weekly totals. The time period combination you chose is completely dependent upon how you use Z1 and Z2.

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

### 2.15.2 Report Menu (Menu code 1600)

( MENU → 6. Report )



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

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

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

There are 7 detailed reports.



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

## 2.15.4 X1/X2 Scale Sales Report (Menu code 1611/1613)

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

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

1



To print this report, press “TEST” key.

PAY  
TEST



If your scale is in label mode, the scale shows "Do you want to print on label?". If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

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

### Sample - Scale Report

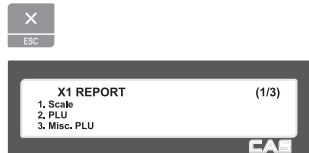
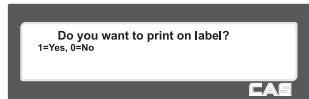
```

X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
=====
SCALE #01
-----
TOTAL COUNT                267
TOTAL PRICE                 $ 5693.70
VOID COUNT                   3
VOID PRICE                  $ 27.30
REPACK COUNT                0
REPACK PRICE                $ 0.00
OVERRIDE COUNT              0
OVERRIDE PRICE              $ 0.00
DISCOUNT COUNT            0
DISCOUNT PRICE            $ 0.00
PREPACK COUNT               1
PREPACK PRICE               $ 3.05
RETURN COUNT                0
RETURN PRICE                $ 0.00
NO SALE OPEN COUNT         0

PAY SUMMARY
CASH          26      $ 1242.70
PIN/CHIP      2       $ 12.50
CHECK         2       $ 82.00
CREDIT CARD   5       $ 84.40
CREDIT NOTE   2       $ 61.00
COUPON        3       $ 17.00
BONUS POINT   0       $ 0.00
CREDIT SALES  3       $ 60.00
CHANGE       17      $ 287.46

TAX SUMMARY
1:10.00%,Internal      $ 67.39
2:10.00%,External     $ 242.00
3: 8.00%,Internal      $ 190.95
4: 0.00%                $ 0.00
5: 0.00%                $ 0.00
6: 0.00%                $ 0.00
7: 0.00%                $ 0.00
8: 0.00%                $ 0.00
9: 0.00%                $ 0.00
=====

```



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

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

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

2

EX) dept 1, plu 1 ~ 10



Enter PLU range to check.

1 PRINT 1 PRINT 1 0

EX) dept 1, plu 1 ~ 10



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

PRINT

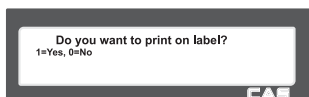


To print report, press “TEST” key.

PAY  
TEST



- \* If your scale is in label mode, the scale shows “Do you want to print on label?”.
- \* If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.

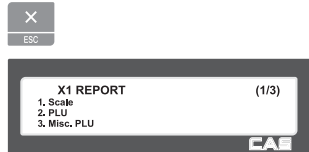


\* "Do you want to print on label?" message is displayed depending on the setting of menu 1872

\* Confirm Print Report on Label

\* If you print report in label mode, rewind motor does not operated so you remove label and then press the PEED key.

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



Note: PLU with no sales is not printed.

### Sample - PLU Report

X1 SCALE REPORT	
AUG-23-04(MON) 09:46:36 AM	
Last Reset	
AUG-16-04(MON) 03:33:14 PM	
Start No:00000, End No:99999	
=====	
DEPT #01 Default	
-----	
PLU #00001 APPLE	
TRANSACTION COUNT	84
WEIGHT	74,828 kg
QUANTITY	0
PRICE	\$ 681,79
TAX PRICE	\$ 67,39
PLU #00002 BANANA	
TRANSACTION COUNT	96
WEIGHT	0,000 kg
QUANTITY	98
PRICE	\$ 1994,00
TAX PRICE	\$ 196,00
PLU #00003 ORANGE	
TRANSACTION COUNT	61
WEIGHT	0,000 kg
QUANTITY	62
PRICE	\$ 1994,00
TAX PRICE	\$ 196,00
...	
-----	
=====	

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

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

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

3



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

0 PRINT 2



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

PRINT

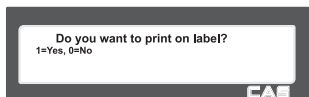


To print report, press “TEST” key.

PAY TEST

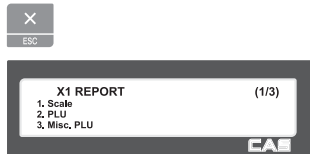


- \* If your scale is in label mode, the scale shows “Do you want to print on label?”.
- \* If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.



- \* “Do you want to print on label?” message is displayed depending on the setting of menu 1872
- \* Confirm Print Report on Label
- \* If you print report in label mode, rewind motor does not operated so you remove label and then press the FEED key.

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



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

### Sample - Miscellaneous Report

```

X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:0, End No:2
=====
-----
PLU # Misc By Weight
TRANSACTION COUNT      84
WEIGHT                  74,828 kg
QUANTITY                0
PRICE                   $ 681,79
TAX PRICE                $ 67,39
PLU # Misc by Count
TRANSACTION COUNT      96
WEIGHT                  0,000 kg
QUANTITY                98
PRICE                   $ 1994,00
TAX PRICE                $ 196,00
PLU # Misc By PCS
TRANSACTION COUNT      61
WEIGHT                  0,000 kg
QUANTITY                98
PRICE                   $ 1994,00
TAX PRICE                $ 196,00
-----
=====

```

## 2.15.7 X1/X2 Group Report (Menu code 1614/1644)

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

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

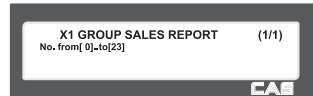
4



Enter group range to check  
If you do not set group in PLU setting, it is  
1 : Miscellaneous by-count

1 PRINT 2 3

Ex) Group 0 ~ Group 23



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

PRINT



To print report, press the “TEST” key.

PAY  
TEST

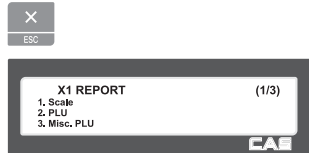


- \* If your scale is in label mode, the scale shows “Do you want to print on label?”.
- \* If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.



Note: Because of auto gap sensor printer will not print on where the gap is.

To exit this menu, press “ESC” key.



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

### Sample - PLU Report

```

X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:00, End No:99
=====
GROUP #00 NO Assigned PLU Group
-----
TOTAL COUNT          276
TOTAL PRICE           $5993.70
PREPACK COUNT         1
PREPACK PRICE         $ 3,05
-----
GROUP #01 Vegetable
-----
TOTAL COUNT          276
TOTAL PRICE           $5993.70
PREPACK COUNT         1
PREPACK PRICE         $ 3,05
-----
GROUP #02 Fruit
-----
TOTAL COUNT          276
TOTAL PRICE           $5993.70
PREPACK COUNT         1
PREPACK PRICE         $ 3,05
-----
...
=====
    
```

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

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

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



Enter department range to check.

EX) dept 1 ~ dept 10



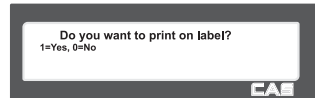
You can see department sales data by pressing "PRINT" key.



To print report, press the "TEST" key.



- \* If your scale is in label mode, the scale shows "Do you want to print on label?".
- \* If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.



\* To exit this menu, press "ESC" key.



Note: If the setting of MENU 1872, "Print All Report within Range" is "No", the department with no sales is not printed. But if "Yes", all department sales data within the range is printed.

## Sample - Department Report

```

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

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

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

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

6



Enter time to check.

9 PRINT 1 4

EX) AM 9 hour ~ PM 2 hour



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

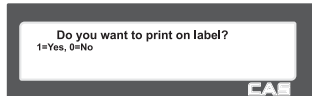


To print report, press “TEST” key.

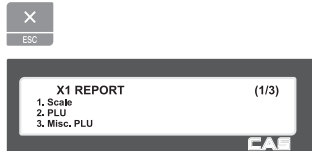


\* If your scale is in label mode, the scale shows “Do you want to print on label?”.

\* If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.



\* To exit this menu, press “ESC” key



Note: If the setting of MENU 1872, “Print All Report within Range” is No , the hour with no sales is not printed. But if “Yes”, all hour sales data within the range is printed.

## Sample - hourly Report

```

X1 SCALE REPORT
AUG-23-04(MON) 09:46:36 AM
Last Reset
AUG-16-04(MON) 03:33:14 PM
Start No:00, End No:23
=====
HOUR #10
-----
TOTAL COUNT          274
TOTAL PRICE          $5993,70
PREPACK COUNT        1
PREPACK PRICE        $ 3,05
-----
HOUR #11
-----
TOTAL COUNT          274
TOTAL PRICE          $5993,70
PREPACK COUNT        1
PREPACK PRICE        $ 3,05
-----
HOUR #13
-----
TOTAL COUNT          274
TOTAL PRICE          $5993,70
PREPACK COUNT        1
PREPACK PRICE        $ 3,05
-----
...
=====
    
```

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

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

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

7

Enter clerk range to check.

0 PRINT 9 9

EX) clerk 0 ~ clerk 99

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

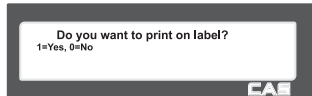


To print report, press “TEST” key.

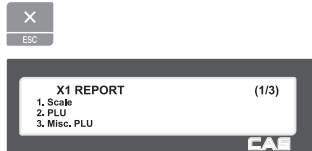


\* If your scale is in label mode, the scale shows “Do you want to print on label?”.

\* If your label has gap, press 1. if you want to print report on ticket, press 0 and change the setting to Ticket in menu 1731 then change your label to ticket.



\* To exit this menu, press “ESC” key



Note: If the setting of MENU 1872, “Print All Report within Range” is No , the hour with no sales is not printed. But if “Yes”, all hour sales data within the range is printed.

Sample - Clerk Report

XI SCALE REPORT  
 XI CLERK REPORT  
 AUG-23-04(MON) 09:46:36 AM  
 Last Reset  
 AUG-16-04(MON) 03:33:14 PM  
 Start No:00, End No:99

=====

CLERK #00 MANAGER

-----

TOTAL COUNT	267	
TOTAL PRICE		\$ 5693.70
VOID COUNT	3	
VOID PRICE		\$ 27.30
REPACK COUNT	0	
REPACK PRICE		\$ 0.00
OVERRIDE COUNT	0	
OVERRIDE PRICE		\$ 0.00
DISCOUNT COUNT	0	
DISCOUNT PRICE		\$ 0.00
PREPACK COUNT	1	
PREPACK PRICE		\$ 3.05
RETURN COUNT	0	
RETURN PRICE		\$ 0.00
NEGATIVE COUNT	0	
NEGATIVE PRICE		\$ 0.00
NO SALE OPEN COUNT	0	

PAY SUMMARY

CASH	26	\$ 1242.70
PIN/CHIP	2	\$ 12.50
CHECK	2	\$ 82.00
CREDIT CARD	5	\$ 84.40
CREDIT NOTE	2	\$ 61.00
COUPON	3	\$ 17.00
BONUS POINT	0	\$ 0.00
CREDIT SALES	3	\$ 60.00
CHANGE	17	\$ 287.46

-----

CLERK #01 CLERK

-----

TOTAL COUNT	267	
TOTAL PRICE		\$ 5693.70

...

-----

CLERK #02 AHN

-----

TOTAL COUNT	267	
TOTAL PRICE		\$ 5693.70

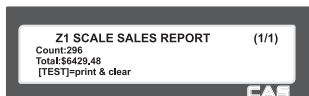
...

=====

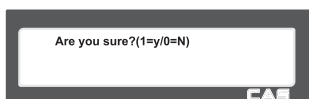
## 2.15.11 Z1/Z2 Report (Menu code 1620/1640)

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

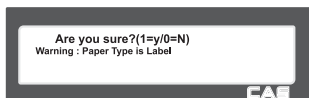
If you select menu code 1620, you will see following screen.



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



If the print mode(paper type) is different, following message is shown on the display.



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.

## 2.15.12 Clear All Report (Menu code 1650)

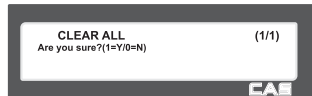
( MENU → 6. Report → 5. Clear All )

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

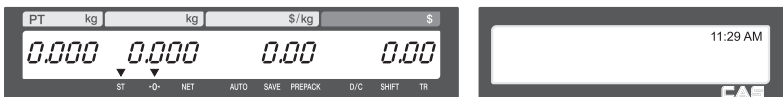


## 3. SALES OPERATION

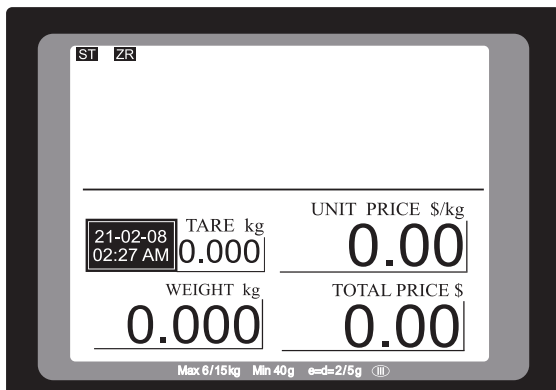
### 3.1 Basic Operation

This chapter explains basic operation of scale, such as how to set zero, tare, call up a PLU and override unit price in CL5000 series.

- Turn ON the scale. The first screen will be seen as below for CL5000-B,P,R and H type.



The first screen of CL5000-G is as seen below.



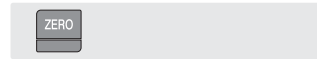
### 3.2 Zero

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.

EX) Initial weight displayed => 0.002.



Press “ZERO” key to set initial zero.

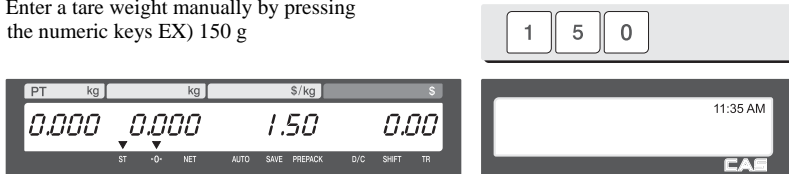


### 3.3 Tare

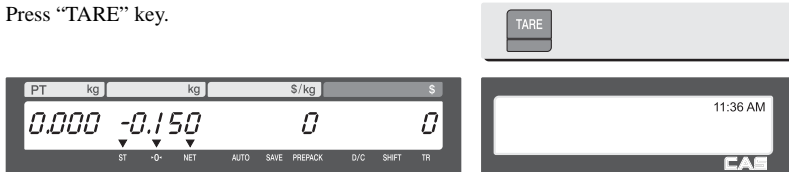
You can enter tare weights as long as there are no PLUs or MISC PLUscalled-up. If you need to temporarily override a PLU s tare weight, you must enter the tare weight first and then call-up that PLU. There are two ways to enter a tare weight and both ways will only work if there is no PLU or MISC PLU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

#### 3.3.1 Manual Tare Entry 1

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



Press "TARE" key.



#### 3.3.2 Weighed Tare Entry

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



Press "TARE" key.



### 3.3.3 How to Clear Tare

Remove the item from the platter

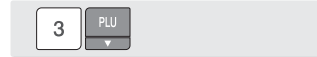


Press "TARE" key again.



### 3.3.4 Preset Tare

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



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

### 3.3.5 Successive Tare

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



Enter the weight of container using numeric keys.  
EX) 200 g

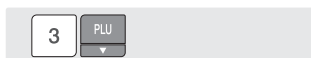
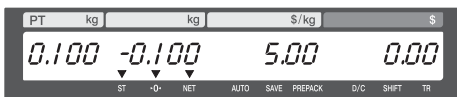


Press "TARE" key after removing item and container from the platter.

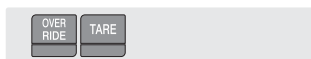
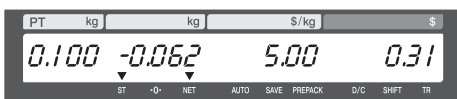
**Note:** Parameter 605 "Accumulation Tare" and parameter 606 "Subtraction Tare" must be set.

### 3.3.6 Tare Override

Call up a PLU including tare (weight of container).  
EX) PLU #3 s tare = 100 g



Place the container (Weight of container must be greater than weight data input) for TARE OVERRIDE.



Pressing "TARE" key overrides current PLU tare (weight of container) and the weight becomes "0".

**Note:** Parameter "603 PLU Tare Override" must be set.

### 3.4 Calling Up a PLU

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

#### 3.4.1 Using Numeric Key

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)

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(Save unit price change), changed priced is saved after printing a label.
- ➔ Parameter 534 : Default Unit Weight is different from unit weight of PLU, "Multiple Unit PLU" message can be occurred.

#### 3.5.1 By-Weight PLU

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

Press OVERRIDE key.



Enter new unit price.



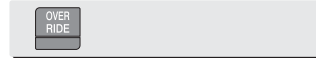
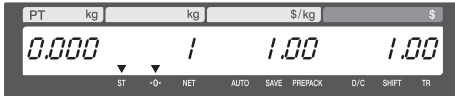
Press PRINT key to print label.



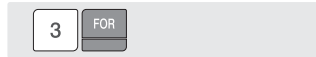
### 3.5.2 By-Count PLU

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

Press **OVERRIDE** key.



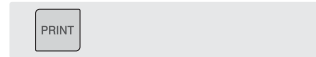
Enter **QUANTITY** and press **FOR** key.



Enter new unit price.



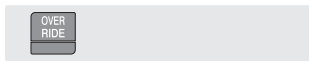
Enter **QUANTITY** and press **FOR** key.



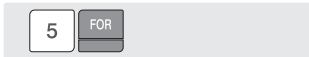
### 3.5.3 By-PCS PLU

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

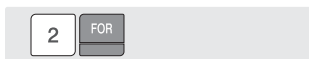
Press OVERRIDE key.



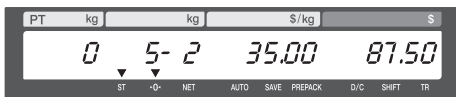
Enter QUANTITY and press FOR key.



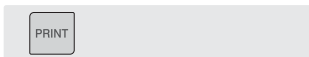
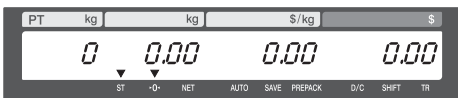
Enter PIECES and press FOR key



Enter new unit price.



Press PRINT key to print label.



- Note:** - If you set program menu 1873(Save unit price change), changed priced is saved after printing a label.  
 - If you set parameter 501(Ride Second Position), you can change unit price of by-count PLU and pcs of by-pcs PLU directly.  
 - 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 =1.0kg

Press Speed key to 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.

Place the item(s) on the platter.



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



Remove the item(s) from the platter.



\* Total Price= Sales weight X Unit price

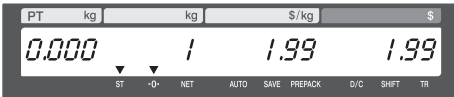
- Note:** - In "SAVE" & "Prepack" mode the PLU is not automatically cleared when you remove the item from the platter.  
- If you set "PLU clr Aft sale(WT.OnTray)" to "Y" in Menu 1873, PLU is cleared even though you do not remove the item from the platter.  
(See chapter 2.14.21 for menu 1873)

### 3.6.2 By Count Item

EXAMPLE:

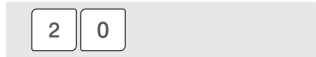
- PLU No : 31, PLU Name: MANGO, PLU type = By-Count, Unit Price: 1.99\$,
- Sales 20 pieces.

Press numeric key(s) to 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.

Enter the number of pieces.  
EX) 20 pieces.



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



\* Total Price= Piece(s) X Unit price

**Note:** - In “SAVE” & “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:

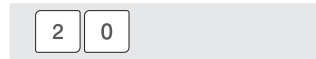
- PLU No : 30, PLU Name: ORANGE, PLU type = By PCS, PIECES: 5, Unit Price : 1.99\$
- Sales = 20 pieces. [QUANTITY item]

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



User may call up a PLU by pressing speed key or numeric key. Please refer to page 143 for details.

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



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



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

**Note:** - 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)

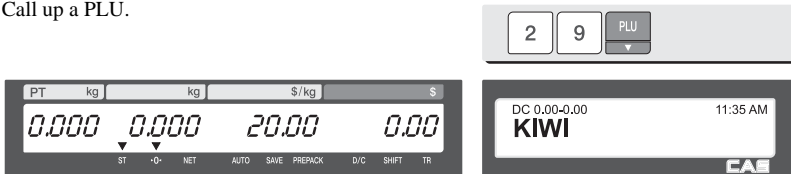
### 3.7.1 Unit Price Discount - By Weight PLU

EXAMPLE:

- PLU# 29=Water Melon (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.

Call up a PLU.



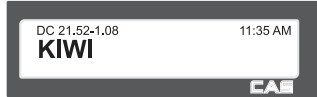
Place an item on the platter. In this case, discount is not available because the weight of this item (0.489 kg) is lower than 1st target(0.500 kg).



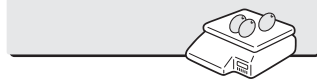
Place an item on the platter. In this case, discount is possible because the weight of item(0.526 kg) is greater than 1st target (0.500kg) therefore the total price is 10.26.



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



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



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

- If you set "display discount info." to "Y" in menu 1871 of program mode, you can see total price and discount information on the display. (See chapter 2.14.21)

### 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.

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.

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).



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)



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



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



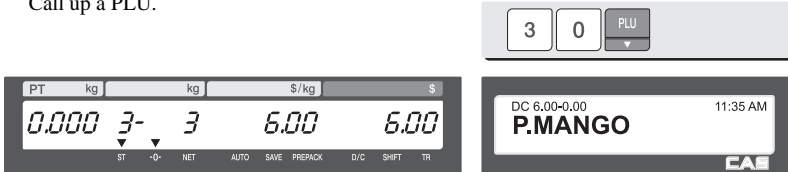
### 3.7.3 Unit Price Discount - By PCS PLU

EXAMPLE 2:

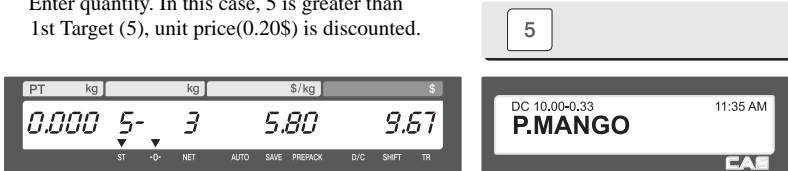
- PLU# 30=PREMIUM MANGO, 3 pieces FOR 6.00

- 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.

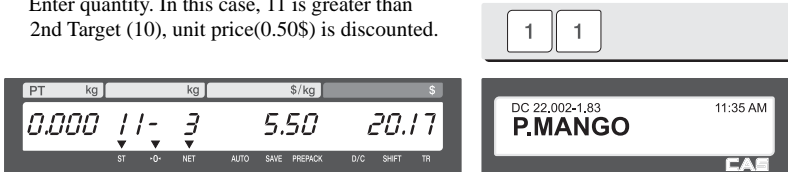
Call up a PLU.



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



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



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



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

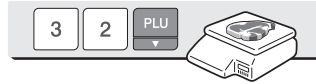
### 3.8 Add-Up Transaction

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.

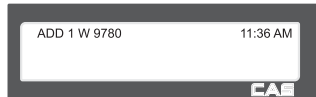
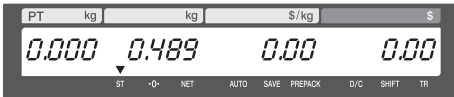
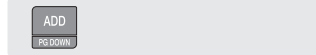
EXAMPLE 2:

- 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

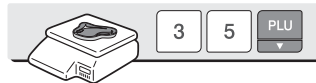
Call up a PLU and place item on the platter.



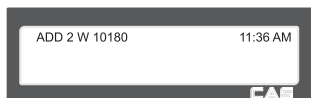
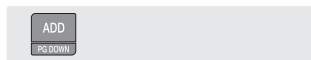
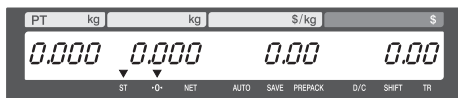
Press ADD key. PLU is cleared automatically. You will see the display as below. Remove item from the platter.



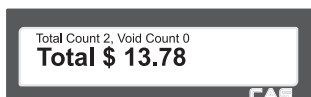
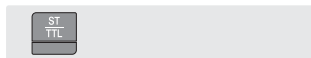
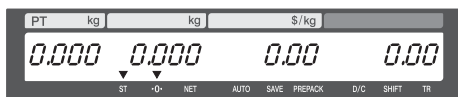
Call up a PLU. and place item on the platter



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



You can repeat the ADD-UP process up to 100 times or you can press the ST/TTL key at anytime to see the grand-total.



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 "Print Item 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 2.14.6)

#### Assumption

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

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

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

### 3.9.1 Standard Clerk Operation

Assumption

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

EXAMPLE 2:

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

Call up a PLU.



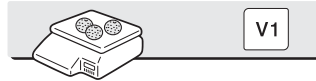
Place an item and press V1 key. You will get a label automatically.



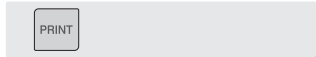
Call up a PLU.



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



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



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

### 3.9.2 Floating Clerk Operations

Assumption

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

EXAMPLE :

- Clerk No: 2, Clerk Name: Christine, Clerk Key: V1
- PLU#1=Apple, Unit Price 10.00.
- PLU#2=Orange, Unit Price 20.00 10 pieces.

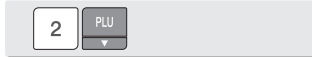
Call up a PLU.



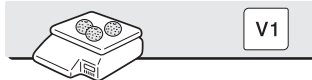
Place an item on the platter and press the V1 key.  
This transaction is save to memory.



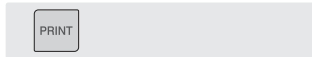
Call up a PLU #2.



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



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



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

### 3.10 Void

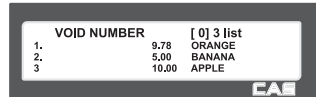
You can press the VOID key to undo transaction in add-up process or floating clerk operation.

Assumption)

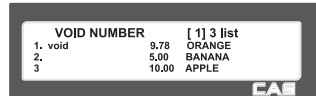
You sold several items

If there is no PLU or price is zero.

Press the VOID key, you will see following screen.



To void ORNAGE, enter 1 by pressing numeric key and press the PRINT.



To void ORNAGE, enter 1 by pressing

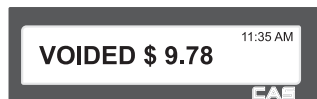
\* You can use the PG UP and PG DOWN keys or the Arrow keys to navigate up and down the list.

If there is same PLU and same price to void

Place item on the platter



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

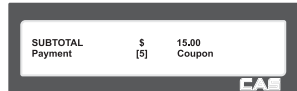
No	Type
0	Cash
1	Pin/chip
2	Check
3	Credit card
4	Credit note
5	Coupon
6	Bonus point
7	Credit

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

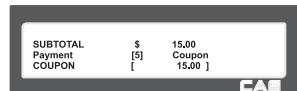
EX) Total price : 15.00 \$

If customer give 6.00 coupon and cash 10.00 \$ to clerk

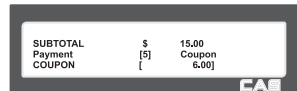
Press PAY key when there is subtotal price



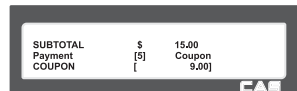
Select payment type 5(coupon) and press PRINT key.  
See Payment table.



Enter 6.00




Press PRINT key then you can select payment type again.




Select Payment type (0 cash) and press PRINT key.

SUBTOTAL	\$	15.00
Payment	[0]	Cash
COUPON	[	9.00 ]




Enter 10.00.

SUBTOTAL	\$	15.00
Payment	[0]	Cash
COUPON	[	10.00 ]



Press PRINT key. The label is issued.

SUBTOTAL	\$	15.00
RECEIVE	\$	16.00
CHANGE	\$	1.00



\* Total price, receive and change is printed.

**Note:** - You can set print item in menu 1760 of program mode. (See chapter 2.13.14)  
- If there is credit, 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 Shift key instead return key to “Y” in menu 1873 of program mode, you cannot use return function. (See chapter 2.14.21)  
- If parameter 596 X/Z Report is not set, this function will not operated.

### 3.13 Prepack Key

Pre-Pack mode, 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.

EXAMPLE:

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

Press PREPACK key and call up a PLU



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

Place the item(s) on the platter.



Label is issued automatically.



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.

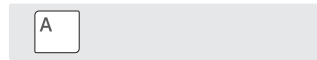
### 3.14.1 By-Weight PLU

**Note:** If you want to use X key for by-weight PLU, you must set Parameter 582, Use "X" key (by WT.).

EXAMPLE:

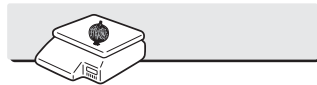
Speed key #1= "Onion" preset key, Unit price=1.50, Sales Weight=1.0kg,

Call up a PLU

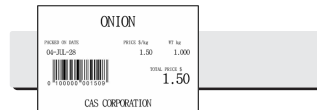


\* You can call up a PLU by pressing speed key key or numeric key. Please refer to chapter 3.4 for details.

Place the item(s) on the platter.



Type the number of labels you require and press the PRINT key.



Remove the item(s) from the platter.



**Note:** - If you set “Label Prt. w.o Rewind (X Key)” 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)

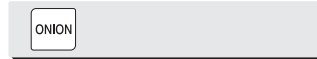
- If you set “Use double print(AUTO)” to “Y” in menu 1872 of program mode, you will have two same labels in auto mode.
- If you set 2nd label in PLU programming, 2nd label is issued automatically.

### 3.14.2 Non-Weighed PLU

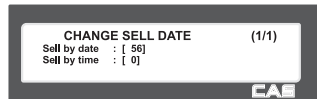
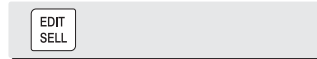
You can use X key for by Count, By PCS PLU without any setting. The way of using X key is same as by-weight PLU except weighing item.

### 3.15 How to Change Sell By Date/Time

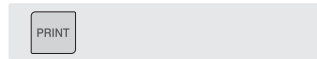
Call up a PLU



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



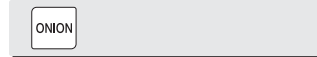
Press PRINT key to complete saving.



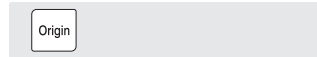
**Note:** - To use EDIT SELL key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

### 3.16 How to Change Origin

Call up a PLU



Press ORIGIN key to retrieve one of origin data saved.

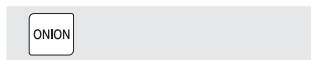


**Note:** - To use ORIGIN key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

### 3.17 How to Change PLU Type

**Note:** If you set "Save Type change" to "Y" in menu 1873 of program mode, changed PLU type is saved. (See chapter 2.14.21)

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



If you change by-Weight PLU to by-count PLU, quantity is set 1 and unit price is same.

If you change by-count PLU to by-weight PLU, unit price is same.

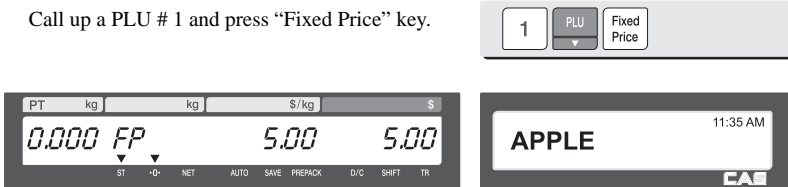
If there is discount information on PLU, you can not change PLU type.

## 3.18 Direct Discount

If there is no discount information in PLU, you can use this function.

### 3.18.1 Fixed Price Key

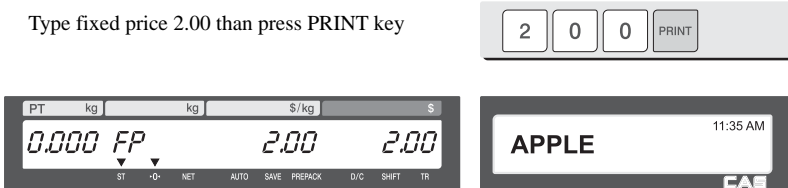
Call up a PLU # 1 and press “Fixed Price” key.



Press “Override Key”



Type fixed price 2.00 than press PRINT key



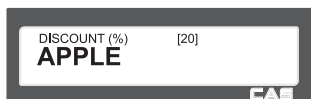
**Note:** - To use Fixed Price Key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

### 3.18.2 % Discount Price Key

Call up a PLU(#1.APPLE) and press  
“%Discount” key



Enter % amount to discount and press PRINT key  
Ex) 20%



Place item on the platter and press PRINT key.



**Note:** - To use % DISCOUNT key, you have to set this key in menu 1880 of program mode. (See chapter 2.14.22)

## **3.19 PLU Connection**

### **3.19.1 Referenced PLU Function**

If you press REFERENCE key after calling up a PLU which has reference information, reference will be shown on the display.

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

### **3.19.2 Coupled PLU Function**

Automatically coupled PLU is called up after transaction.  
You can use this function when you sell two or more items as package.

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

## **3.20 Sales Operation Control Parameters**

### **3.20.1 Fixed Weight**

- You can set fixed weight when you create PLU  
If you call up this PLU, the weight is not changed.
- You can use IN WEIGHT key.  
Call up a PLU and enter a fixed weight by using OVERRIDE key and press IN WEIGHT key.

### **3.20.2 Prepack Without Report**

The transaction data is not added to report while using prepack mode.

- You have to set Parameter 597(Prepack report) to use this function. Also, Parameter 596 should be set to Y

## 4. APPENDIX

### 4.1 Label Format

There are fixed label format and user label format

	Fixed Label Format	User Label Format
No.	1~50	51~99
Quantity	45	20
Method	Built in CL5000	Download from PC
Features	You cannot edit format.	Using the PC program, you can program format numbers 51 to 99. In ticket mode, it is available to use Head/Tail format.

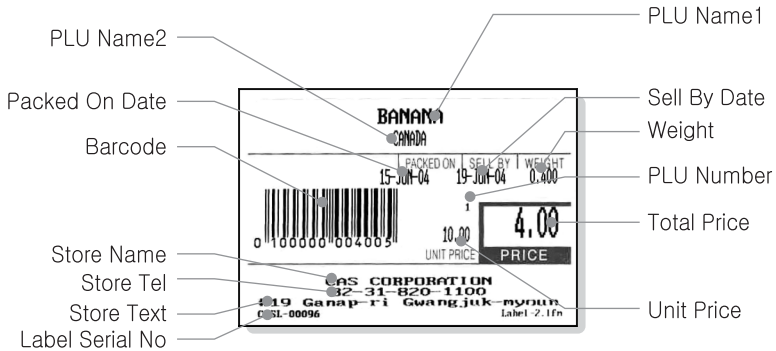
#### Fixed Label Format

No	Name	Width(mm)	Length(mm)	No	Name	Width(mm)	Length(mm)
1	IS6030-00001	60	30	17	IS5653-00017	56	53
2	IS6030-00002	60	30	18	IS5054-00018	50	54
3	IS6030-00003	60	30	19	IS5054-00019	50	54
4	IS5635-00004	56	35	20	IS6051-00020	60	51
5	IS5635-00005	56	35	21	IS6051-00021	60	51
6	IS5635-00006	56	35	22	IS6060-00022	60	60
7	IS6040-00007	60	40	23	IS6060-00023	60	60
8	IS6040-00008	60	40	24	IS5068-00024	50	68
9	IS6040-00009	60	40	25	IS5068-00025	50	68
10	IS6040-00010	60	40	26	IS5068-00026	50	68
11	IS6040-00011	60	40	27	IS6063-00027	60	63
12	IS6040-00012	60	40	28	IS6063-00028	60	63
13	IS5040-00013	50	40	29	IC6040-00029	60	40
14	IS5040-00014	50	40	30	IC6040-00030	60	40
15	IS5040-00015	50	40	31	IS6040-KR001	60	40
16	IS5653-00016	56	53	32	IS6030-KR002	60	30

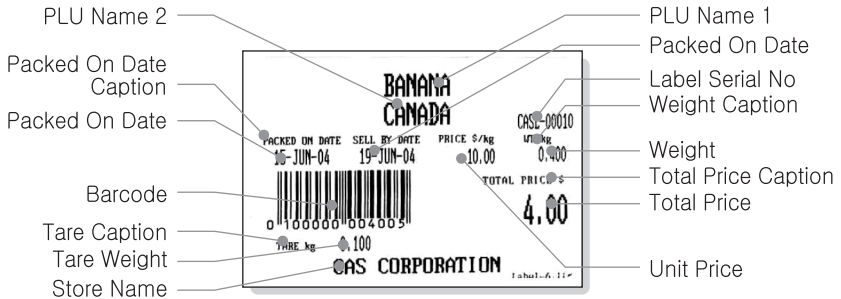
No	Name	Width(mm)	Length(mm)	No	Name	Width(mm)	Length(mm)
33	IS6032-KR003	60	32	40	IS6040-KR010	60	40
34	IS6060-KR004	60	60	41	IS6040-KR011	60	40
35	IS6032-KR005	60	32	42	IS6045-KR012	60	45
36	IS6042-KR006	60	42	43	IS6044-KR013	60	44
37	IS6045-KR007	60	45	44	IS6055-KR014	60	55
38	IS6050-KR008	60	50	45	IS6060-KR015	60	60
39	IS6045-KR009	60	45				

## 4.2 Fixed Label Format Sample

### (1) Label sample 1



### (2) Label sample 2



## 4.3 Fixed Label Format Sample

Label Format has several fields and each field has own ID. Item label print the information of each PLU sale and Total label print the information of grand total of PLUs. Item Label field is separate from Total Label field. But the information of store and clerk is common item.

### 4.3.1 Item Label Field

#### (1) Item Field

No	Item	Field ID	Description
1	Department Name	1	Print department name.
2	Department No	115	Print department number.
3	Group No	9	Print group number
4	PLU No	2	Print PLU number
5	PLU Name	10	Print PLU name1,2 and 3 in one field
6	PLU Name1	29	Print PLU name1,2 and 3, Depending on the setting of MENU 1862 "Print origin for comm. line" , Origin can be printed.
7	PLU Name2	30	
8	PLU Name3	31	
9	Item Code	11	Print item code
10	Prefix	3	Print prefix
11	Unit Weight	5	Print unit weight
12	Tax Rate	8	Print tax rate, It is printed with %.
13	Tax Price	111	Print tax price.
14	Tare Weight	13	Print tare weight.
15	Pieces	14	Print Piece for By-Pcs PLU
16	Qty Symbol	15	Print symbol of Quantity.
17	Sell By Date	16	Print sell by date.

No	Item	Field ID	Description
18	Sell By Time	17	Print sell by time. If sell by time is 0, it is not printed
19	Packed On Date	18	Print packed on date.
20	Packed On Time	19	Print packed on time
21	Produced Date	20	Print produced date. If produced date is 0, it is not printed
22	Cook By Date	22	Print cook by date. If cook by date is 0, it is not printed
23	Bonus Point	50	Print bonus point.
24	Origin	55	Print origin
25	Ingredient	25	Print ingredient
26	Sales Message	90	Print sales message
27	Reference Net Weight	100	Print net weight. In case of By-Count/By-Pcs PLU, net weight is printed when you print weight. In case of By-Weight PLU, net weight is printed when you use percent tare.
28	Reference Gross Weight	116	Print gross weight. In case of By-Weight PLU, gross weight is printed when you use percent tare.
29	Percent Tare	24	Print percent tare. It is printed with %.
30	Percent Tare Limit	23	Print percent tare limit. It is printed with %.
31	Weight	101	Print weight when it is not applied Markdown (By-Weight PLU)
32	Discount Weight	132	Print new weight when it is applied Markdown (By-Weight PLU)
33	Discount Weight (Mark Down)	108	Print previous weight when it is applied Markdown (By-Weight PLU)
34	Quantity	112	Print quantity when it is not applied Markdown (By-Count/By-Pcs PLU)
35	Discount Quantity	133	Print new quantity when it is applied Markdown (By-Count/By-Pcs PLU)

No	Item	Field ID	Description
36	Discount Quantity (Mark Down)	134	Print previous quantity when it is applied Markdown (By-Count/By-Pcs PLU)
37	Unit Price	6	Print unit price when it is not applied Markdown
38	Discount Unit Price	113	Print new unit price when it is applied Markdown
39	Discount Unit Price (Mark Down)	109	Print previous unit price when it is applied Markdown,
40	Total Price	102	Print total price when it is not applied Markdown
41	Discount Total Price	114	Print new total price when it is applied Markdown
42	Discount Total Price (Mark Down)	110	Print previous total price when it is applied Markdown
43	Saved Price	131	Print saved price when it is discounted.
44	Label Serial	135	Print label serial number
45	Store Name	105	Print store name
46	Store Tel	138	Print Telephone numer of store
47	Store Text	139	Print information of store.
48	Clerk Number	128	Print clerk number
49	Clerk Name	106	Print clerk name
50	Customer Name	107	Print customer name
51	Customer Number	130	Print customer number
52	Scale Number	137	Print scale number
53	Day Of Week(Packed On)	117	Print Day Of Week(Packed On Date)
54	Currency Rate	119	Print Currency Rate
55	Second Currency Total Price	118	Print Second Currency Total Price
56	Second Currency Unit Price	120	Print Second Currency Unit Price

## (2) Caption Field

No	Item	Field ID	Description
1	(C)Total Price	170	Print the caption of total price
2	(C)Unit Price	171	Print the caption of unit price
3	(C)Weight	172	Print the caption of weight (Only By-Weight PLU)
4	(C)Tare	173	Print the caption of tare weight
5	(C)Saved Price	174	Print the caption of saved price
6	(C)Regular Price	175	Print the caption of regular price
7	(C)Tax Price	176	Print the caption of tax price
8	(C)Packed On Date	177	Print the caption of packed on date
9	(C)Sell By Date	178	Print the caption of Sell By Date/Time if it is existed.
10	(C)Cook By Date	179	Print the caption of Cook By Date. If the value is 0, it is not printed.
11	(C)Produced Date	180	Print the caption of Produced Date. If the value is 0, it is not printed.
12	(C)Packed On Time	181	Print the caption of Packed On Time
13	(C)Sell By Time	182	Print the caption of Sell By Time. If the value is 0, it is not printed.
14	(C)Quantity	183	Print the caption of quantity. (By-Count/By-Pcs PLU)
15	(C)Reference	184	Print the caption of Traceability Reference
16	(C)Born In	185	Print the caption of Born In Country
17	(C)Bred In	186	Print the caption of Bred In Country
18	(C)Slaughtered In	187	Print the caption of Slaughter House
19	(C)Cut In	188	Print the caption of Cutting Hall.
20	(C)Net Weight	189	Print the caption of Net Weight
21	(C)Gross Weight	193	Print the caption of Gross Weight
22	(C)Percent Tare	194	Print the caption of Percent Tare
23	(C)Percent Tare Limit	195	Print the caption of Percent Tare Limit
24	(C)Second Currency Total Price	198	Print the caption of second currency total price
25	(C)Second Currency Unit Price	199	Print the caption of second currency unit price

### (3) Traceability Field

No	Item	Field ID	Description
1	(T)Traceability No	35	Print Traceability Number
2	(T)Born in Country	36	Print Born In Country Name
3	(T)Bred in Country	37	Print Bred In Country Name
4	(T)Slaughter House	38	Print Slaughter House Name
5	(T)Slaughter Country	39	Print Slaughter House Country Name
6	(T)Cutting Hall	40	Print Cutting Hall Name
7	(T)Cutting Country	41	Print Cutting Hall Country Name
8	(T)Reference	42	Print Reference
9	(T)Born in Country No	43	Print Born In Country Number
10	(T)Bred in Country No	44	Print Bred In Country Number
11	(T)Slaughter House No	45	Slaughter House Number
12	(T)Cutting Hall No	46	Print Cutting Hall Number

#### (4) Nutrition Facts Field

No	Item	Field ID	Description
1	(N)Serving Size	140	Print Serving Size
2	(N)Servings Per	141	Print Servings Per Container
3	(N)Calories	142	Print Calories
4	(N)Calories From Fat	143	Print Calories From Fat
5	(N)Total Fat	144	Print Total Fat
6	(N)Saturated Fat	145	Print Saturated Fat
7	(N)Cholesterol	146	Print Cholesterol
8	(N)Sodium	147	Print Sodium
9	(N)Total Carbohydrates	148	Print Total Carbohydrates
10	(N)Dietary Fibers	149	Print Dietary Fibers
11	(N)Sugars	150	Print Sugars
12	(N)Protein	151	Print Protein
13	(N)Vitamin A	152	Print Vitamin A
14	(N)Calcium	153	Print Calcium
15	(N)Vitamin C	154	Print Vitamin C
16	(N)Iron	155	Print Iron
17	(N)Total Fat DV	156	Print Daily Value of Total Fat
18	(N)Saturated Fat DV	157	Print Daily Value of Saturated Fat
19	(N)Cholesterol DV	158	Print Daily Value of Colesterol,
20	(N)Sodium DV	159	Print Daily Value of Sodium
21	(N)Total Carbohydrates DV	160	Print Daily Value of Total Carbohydrates
22	(N)Dietary Fibers DV	161	Print Daily Value of Dietary Fibers
23	(N)Protein DV	162	Print Daily Value of Protein

### 4.3.2 Total Label Field

#### (1) Total Field

No	Item	Field ID	Description
1	(TOTAL)Total Price	201	Print total price
2	(TOTAL)Total Count	202	Print total number of item
3	(TOTAL)Void Price	203	Print voided price
4	(TOTAL)Void Count	204	Print voided number of
5	(TOTAL)Internal Tax Amount	205	Print internal tax price
6	(TOTAL)External Tax Amount	206	Print external tax price
7	(TOTAL)Total Price(Exclude Tax)	207	Print total price exclude tax
8	(TOTAL)Total Price(Include Tax)	211	Print total price include tax
9	(TOTAL)Payment Price	208	Print payment price
10	(TOTAL)Change Price	209	Print change price
11	(TOTAL)Current Date	103	Print current date
12	(TOTAL)Current Time	104	Print current time
13	(TOTAL)Total Tax Amount	210	Print total tax amount
14	(TOTAL)Second Currency Total Price	212	Print second currency total price
15	Store Name	105	Print store name
16	Store Tel	138	Print telephone number of store
17	Store Text	139	Print information of store
18	Clerk Number	128	Print clerk number
19	Clerk Name	106	Print clerk name
20	Customer Name	107	Print customer name
21	Customer ID	130	Print customer ID
22	Scale Number	137	Print scale number
23	Currency Rate	119	Print currency rate

## (2) Caption Fieldd

No	Item	FieldID	Description
1	(C)(TOTAL)Total Count	190	Print the caption of total Item number
2	(C)(TOTAL)Payment Price	191	Print the caption of payment
3	(C)(TOTAL)Change Price	192	Print the caption of change price
4	(C)(TOTAL)Total Price	196	Print the caption of total price
5	(C)(TOTAL)Total Tax	197	Print the caption of total tax price
6	(C)Second Currency Total Price for Total Label	200	Print the caption of second currency total price
7	(C)Void Price for Total Label	168	Print the captoin of void price
8	(C)(TOTAL)Void Count	169	Print the caption of void count

# 4.4 ASCII Code Table

Microsoft Window Codepage 1252

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F
00	NUL 0000	STX 0001	SOT 0002	ETX 0003	EOT 0004	ENQ 0005	ACK 0006	BEL 0007	BS 0008	HT 0009	LF 000A	VT 000B	FF 000C	CR 000D	SO 000E	SI 000F
10	DLE 0010	DC1 0011	DC2 0012	DC3 0013	DC4 0014	NAK 0015	SYN 0016	ETB 0017	CAN 0018	EM 0019	SUB 001A	ESC 001B	FS 001C	GS 001D	RS 001E	US 001F
20	SP 0020	!	"	#	\$	%	&	'	(	)	*	+	,	-	.	/
30	0	1	2	3	4	5	6	7	8	9	:	;	<	=	>	?
40	@	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
50	P	Q	R	S	T	U	V	W	X	Y	Z	[	\	]	^	_
60	`	a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
70	p	q	r	s	t	u	v	w	x	y	z	{		}	~	DEL 007F
80	€ 20AC		ƒ 0192	„ 201E	… 2026	† 2020	‡ 2021	ˆ 02C6	‰ 2030	Š 0160	< 2039	€ 0152		Ž 017D		
90		˘ 2018	˙ 2019	˚ 201C	˛ 201D	˜ 2022	˝ 2013	˞ 2014	˜ 02DC	™ 2122	š 0161	› 203A	œ 0153		ž 017E	ÿ 0178
A0	MSB 00A0	ı 00A1	đ 00A2	£ 00A3	¤ 00A4	¥ 00A5	¦ 00A6	§ 00A7	¨ 00A8	© 00A9	ª 00AA	« 00AB	¬ 00AC	– 00AD	® 00AE	— 00AF
B0	° 00B0	± 00B1	² 00B2	³ 00B3	¼ 00B4	½ 00B5	¾ 00B6	· 00B7	¸ 00B8	¹ 00B9	º 00BA	» 00BB	¼ 00BC	½ 00BD	¾ 00BE	¿ 00BF
C0	À 00C0	Á 00C1	Â 00C2	Ã 00C3	Ä 00C4	Å 00C5	Æ 00C6	Ç 00C7	È 00C8	É 00C9	Ê 00CA	Ë 00CB	Ì 00CC	Í 00CD	Î 00CE	Ï 00CF
D0	Ð 00D0	Ñ 00D1	Ò 00D2	Ó 00D3	Ô 00D4	Õ 00D5	Ö 00D6	× 00D7	Ø 00D8	Ù 00D9	Ú 00DA	Û 00DB	Ü 00DC	Ý 00DD	Þ 00DE	ß 00DF
E0	à 00E0	á 00E1	â 00E2	ã 00E3	ä 00E4	å 00E5	æ 00E6	ç 00E7	è 00E8	é 00E9	ê 00EA	ë 00EB	ì 00EC	í 00ED	î 00EE	ï 00EF
F0	ø 00F0	ñ 00F1	ò 00F2	ó 00F3	ô 00F4	õ 00F5	÷ 00F6	ø 00F7	ù 00F8	ú 00F9	û 00FA	ü 00FB	ý 00FC	ÿ 00FD	þ 00FE	ÿ 00FF

Note: To enter A, first you have to read 40 in a row and 01 in a column and type 41.

## 4.5 Window Character Set Information

Code	Short Name	Description	Country
1250	Central Europe	Windows Latin 2	Albania, Croatia, Czech, Faeroese, Hungarian, Polish, Romanian, Serbian(Latin), Slovak, Slovenian
1251	Cyrillic	Windows Cyrillic (Slavic)	Byelorussian, Bulgarian, Russian, Ukrainian
1252	Latin 1	Windows Latin 1 (ANSI)	Afrikaans, Catalan, Danish, Dutch, English, USA, Canada, New Zealand, Austria, Ireland, South Africa, Finnish, French, Belgium, Switzerland, Luxembourg, German, Austria, Liechtenstein, Italian, Icelandic, Indonesian, Norwegian, Portuguese, Brazil, Spanish, Mexico, Swedish
1253	Greek	Windows Greek	Greek
1254	Turkish	Windows Latin 5 (Turkish)	Turkish
1255	Hebrew	Windows Hebrew	Hebrew
1256	Arabic	Windows Arabic	Saudi Arabia, Iraq, Egypt, Libya, Algeria, Morocco, Tunisia, Oman, Yemen, Syria, Jordan, Lebanon, Kuwait, United Arab Emirates, Bahrain, Qatar, Farsi
1257	Baltic	Windows Batic Rim	Estonian, Latvian, Lithuanian
1258	Vietnam		Vietnam
874	Thai		Thai
932	Japanese Shift-JIS		Japan
936	Simplified Chinese GBK	Simplified Chinese	Chinese, Singapore
949	Korean	Complete Hangul	Korea
950	Traditional Chinese BIG5	Traditional Chinese	Taiwan, HongKong



# CL5000 SERIES

Label Printing Scale



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