Operation Manual

Model : SM-120(LL)

1st version

Edition	Month	Year
1st	December	2013

SHANGHAI TERAOKA ELECTRONIC CO.,LTD

TING LIN INDUSTRY DEVELOPMENTAL ZONE

JIN SHAN COUNTRY,SHANGHAI CHINA

TEL:+86-021-57234888

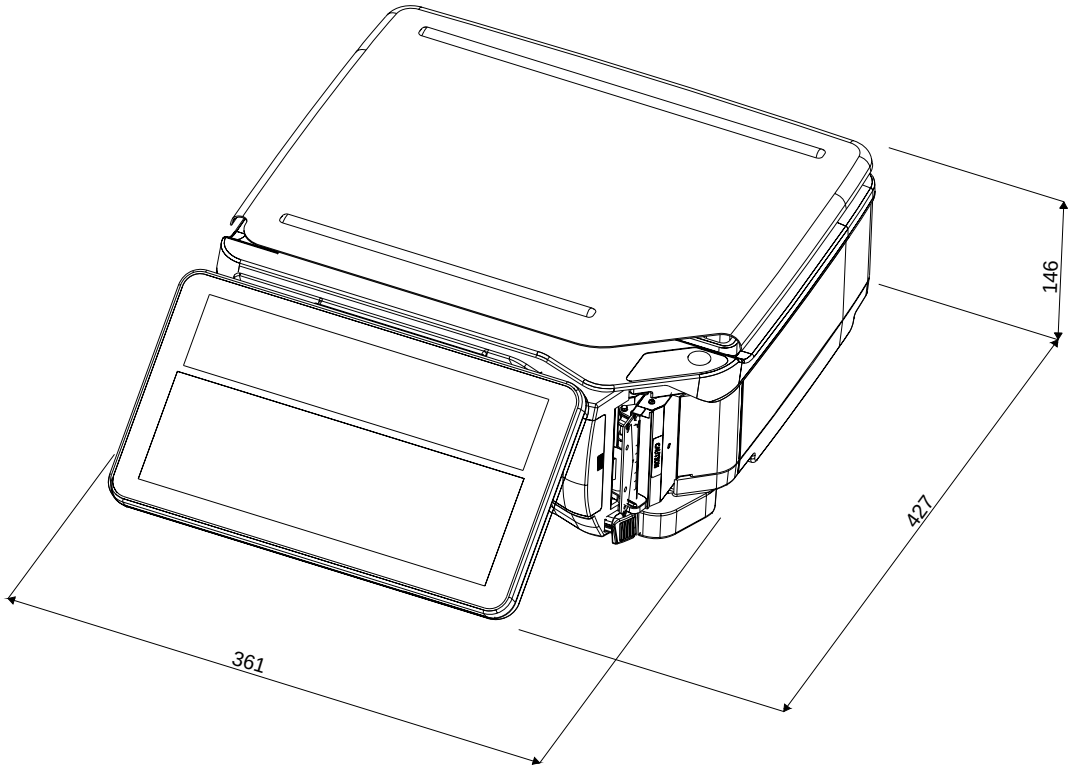
FAX:+86-021-57234090

Table of Content

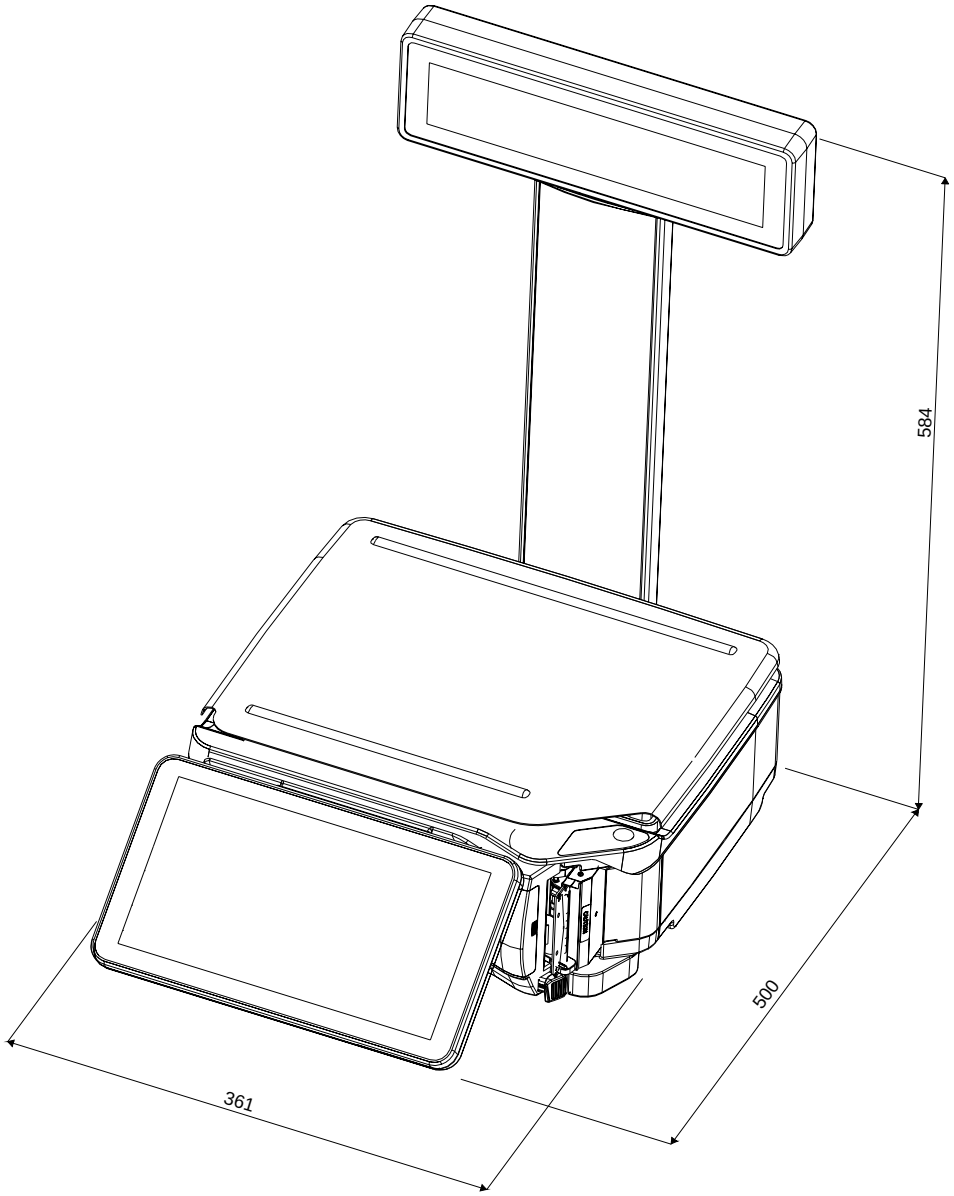
1. GENERAL INFORMATION

1.1 Overall View

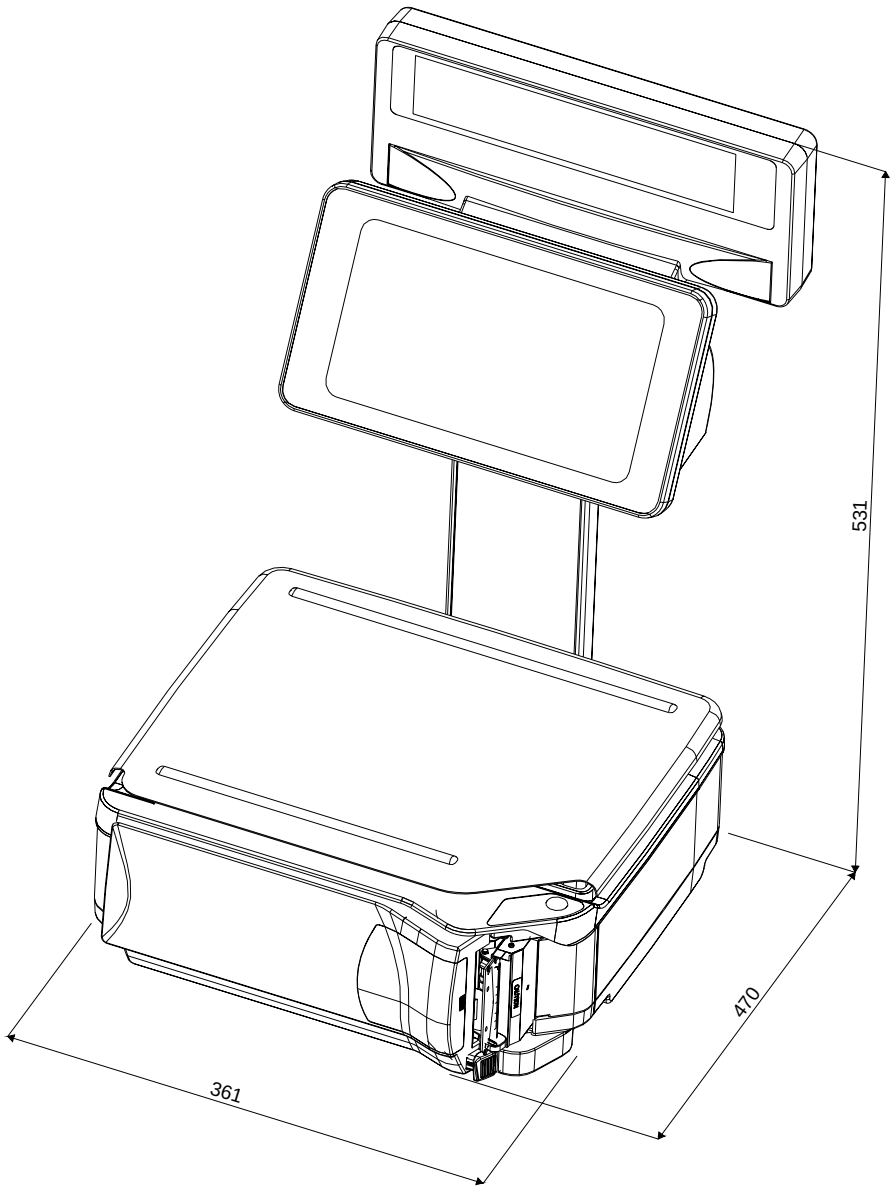
- Bench Type



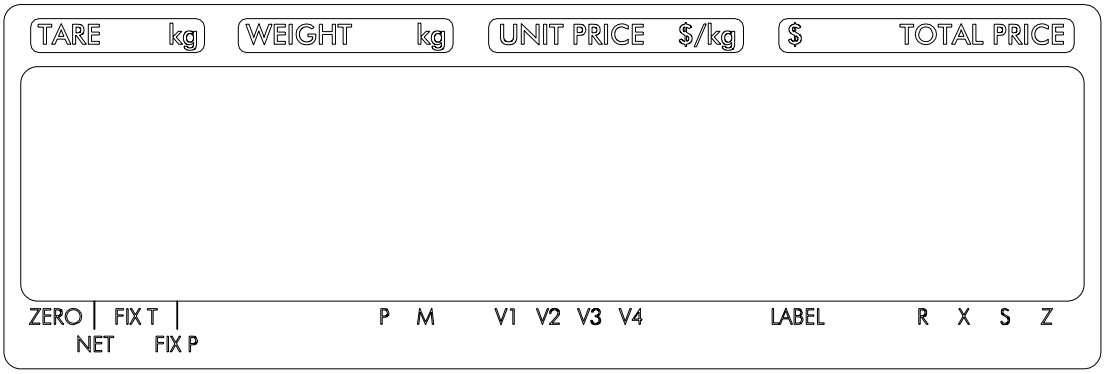
- Pole Type



- Elevated Type

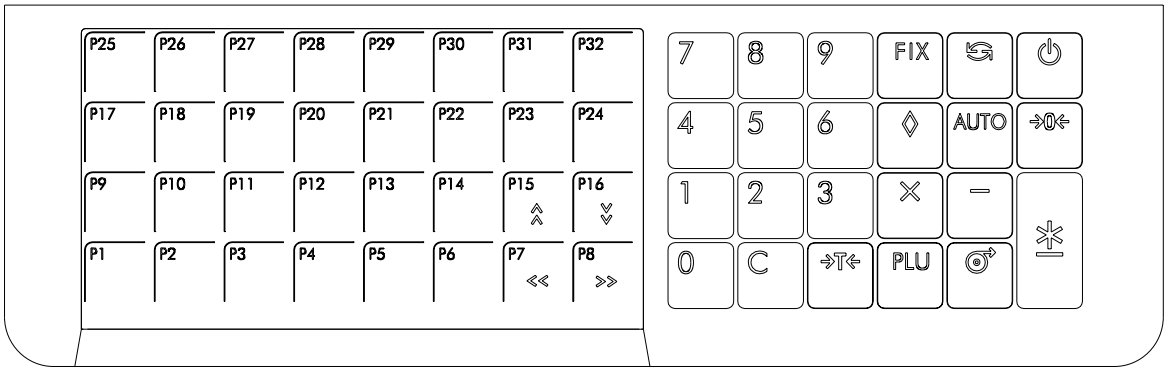


1.2 Display Panel

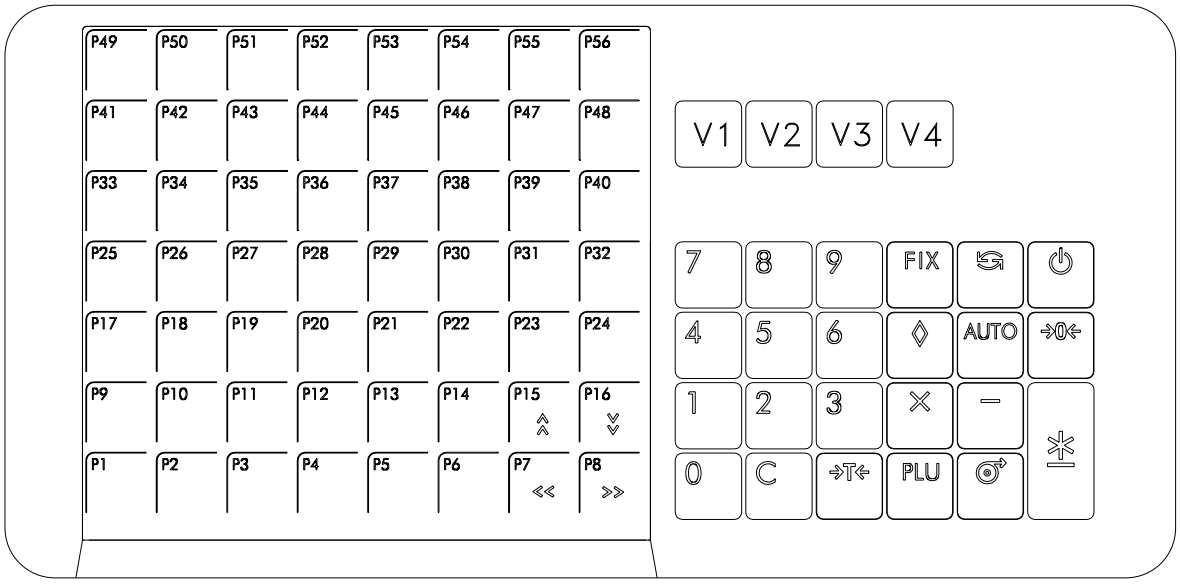


1.3 Key Panel

- Bench Type



- Elevated / Pole Type



1.4 Features

- Digital printing scale consists of electronic cash registers function and label printing function.
- High-speed, high reliability thermal head printer, the Max. printing width is 60mm, the Max. printing speed is 110mm/sec.
- Easy paper handing achieved special designed mechanism.
- Auto Cutter(SM-120LL).
- Built-in clock automatically updates date and time.
- Quick response to weight changes.
- Capacity : 3kg, 6kg, 12kg, 15kg, 30kg, 6lb, 12lb, 15lb and 30lb.
- Resolution : Display Resolution 1/3,000.
  : Internal Resolution 1/90,000.
- Customer and operator displays (optional customer pole display).
- 202 x 32 pixels FSTN type LCD with back-light.
- 55(Bench) / 73(Pole / Elevated) switch keys
  a. ON/OFF key.
  b. 10 Numeric keys, to key in numeric data.
  c. 32(Bench) / 56(Pole / Elevated) Preset keys, to preset PLU or function into the key.
  d. 12(Bench) / 16 Operational keys, to perform various functional operations.
- 18 data files for Department, Main Group, PLU, etc.
- Various reports.
- Ethernet function.
- Optional wireless Ethernet card.
- RS232C interface for data communication and barcode scanner connection.
- Optional cash drawer.

1.5 Specifications

1.5.1 Display

- Tare Weight display : 4 digits.
- Weight display : 5 digits.
- Unit Price display : 6 digits.
- Total Price display : 7 digits.
- Second Line display : 25 characters.

1.5.2 Operating Conditions

- Power Source : AC 176V ~ 264V, 47~63Hz.
- Operating Temperature : -10 °C ~ +40 °C.
- Operating Humidity : 15% ~ 85% RH.
- Power Consumption : 0.15A.

1.5.3 Dimensions

- Platter size : 356(W) x 283(D) mm.
- Overall size

  a) Bench : 361(W) x 427(D) x 146(H) mm.
  b) Pole : 361(W) x 500(D) x 584(H) mm.
  c) Elevated : 361(W) x 470(D) x 531(H) mm.

1.6 Key Functions

ON/OFF KEY	
	❖ Turn display "ON" or "OFF".
PRESET KEY	
P1~P74	❖ Set up or call either unit price and tare value.
NUMERIC KEYS	
0 ~ 9	❖ Enter numeric data.
TARE KEY	
	❖ Set or Clear Tare value. ❖ Select "NO" in S and Z Mode. ❖ Item test print in S Mode.
CLEAR KEY	
C	❖ For Back space or Clear numeric value. ❖ Select "YES" in S and Z Mode.
RE-ZERO KEY	
	❖ Reset weight to ZERO.
PREPACK KEY	
AUTO	❖ Switch Manual mode and Pre-pack mode alternatively. (The mode status will be indicated in the **P** and **M** indicator.) ▪**P** - PRE-PACK MODE ▪ **M** - MANUAL MODE
CHANGE KEY	
	❖ Calculate the Changed Amount. ❖ Escape the Programming screen without saving data in S Mode.

MULTIPLLE KEY	
X	❖ Register the number of Non-Weight products. ❖ Select programming item such as PLU data, Shop Name in S Mode. ❖ Select Report Type in X Mode. ❖ Select Data Transaction Type in Z Mode.
CLERK KEY	
V1~V4	❖ Accumulate the Total Price.
VOID KEY	
—	❖ Correct the sales data.
PLU KEY	
PLU	❖ Call up PLU data in R Mode. ❖ Store the programmed data in S Mode.
FEED KEY	
	❖ Feed Label or Receipt paper
PRINT KEY	
	❖ Print out Label or Receipt.

MODE SELECT KEY

❖ Five Modes can be selected using this key.

- **Indicator R** - REGISTRATION MODE (All the sales transactions are performed.)
- **Indicator X** - CHECK MODE (Printing out and sales report.)
- **Indicator S** - PROGRAM MODE (Programming preset data, such as products, data, shop name, etc.)
- **Indicator Z** - TOTAL MODE (Clear sales data stored.)
- **Indicator X (*Blink*)** - Password Setting Mode (Set PASS WORD for X, S, Z mode, set PASSWORD for PASSWORD MODE when all indicators(R, X, S, Z) blink)

Decrease/Increase Specification Count key

❖ Decrease/Increase Only used when Setting SPEC 141 & 142

<<,>>

❖ Select parameter data such as SPEC data. Move cursor left or right.

1.7 Indicators

- **ZERO** : On when zero point is adjusted and weight is stable.
- **NET** : On when tare subtraction is performed.
- **FIX T** : On when tare weight is fixed.
- **FIX P** : On when PLU or unit price is fixed.
- **P** : On when pre-pack mode is chosen; indicate capital letter is use in PLU programming.
- **M** : On when manual mode is chosen.
- **V1 ~ V4**: On when vendor transaction entries (department entry or PLU entry) are performed.
- **LABEL**: On when label printing mode is chosen.
- **R** : On when in R (normal operation) mode.
- **X** : On when in X (read report) mode.
- **S** : On when in S (programmable item setting) mode.
- **Z** : On when in Z (reset report and system maintenance) mode.

2. SETUP

2.1 Mode Change

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	0.000	0.000	0.00	0.00	Weight mode. Lamp R turns on.
[MODE][MODE] (within 3 seconds)				XMODE	Enter X mode. Lamp X turns on.
[MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[MODE]	Z1.0	RESET	SALES	DAILY	Enter Z mode. Lamp Z turns on.
[MODE]		PWD X	0	SET	Enter Password Set mode. Lamp X flicker
[MODE]	0.000	0.000	0.00	0.00	Back to Weight mode. Lamp R turns on.

2.2 Specification Setting

2.2.1 Specification Entry(141)

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	Z1.0	RESET	SALES	DAILY	Z mode. Lamp Z turns on.
[Rezero]+[1][4][1]		SPEC 000	XXX (setting)	XXX (former)	Enter [1][4][1] while depressing [Rezero]. XXX:SPEC data
[≻]		SPEC 001	XXX	XXX	[≻]key only increase specification count, it does not update SPEC data.
[≺]		SPEC 000	XXX	XXX	[≺]key only decrease specification count, it does not update SPEC data.
[1][7] [X]		SPEC 000 SPEC 017	017 XXX	XXX XXX	It goes to a designed specification count. (000~441 is enabled)
[>>]		SPEC 017	XXX	XXX	[>>] key select SPEC data. Move cursor right.
[<<]		SPEC 017	XXX	XXX	[<<] key select SPEC data. Move cursor left.
[1] [*]		SPEC 017 SPEC 018	001 XXX	XXX XXX	
[C]		SPEC 018	000	XXX	Clear the enter data.
[PLU] * Note 1	Z1.0	RESET	SALES	DAILY	Store the updated specification and escape to Z mode.

2.2.2 Specification List

Customer SPEC Setting-(141)

SPEC NO.	SPECIFICATION DESCRIPTION				SM-120
00	**Item Barcode**				√
	0	F1F2 CCCCC XCD XXXX CD	16	F1F2 CCC XXXXXXX CD	All are 13 digits non-PLU barcode unless otherwise stated. #1 13 digits PLU barcode #2 8 digits PLU barcode #3 8 digits non-PLU barcode #4 For SF. Not in used for item barcode #5 Non Barcode
	1	F2 CCCCCC XCD XXXX CD	17	F1F2 CC XXXXXXXX CD	
	2	F1F2 CCCCC 0 XXXX CD	18	CCC WWWW PPPPP CD	
	3	F1F2 CCCCCC XXXX CD	19	No Barcode	
	4	F1F2 CCCCC XXXXX CD	20	F1F2 CCCCC PCD XXXX CD	
	5	F2 CCCCCC XXXXX CD	21	F1F2 RRRRR XXXXX CD #4	
	6	F2 CCCCC XXXXXX CD	22	F2 CCCCC XXXXXX CD	
	7	F1F2 CCCCCCCCCC CD #1	23	FFF CCCC PPPPP CD	
	8	F1F2 CCCC XXXXXX CD	24	F1F2 CCCCC WWWWW CD	
	9	F1F2 CCCCC CD #2	25	F2 CCCCC WWWWW 0 CD	
	10	F2 CC XXXX CD #3	26	F1F2 CCCCCC WWWW CD	
	11	No Barcode	27	CCCCCCC XXXXXX #5	
	12	F1X2 CCCCC XCD XXXX CD	28	F1F2 CCC XXXXXXX CD	
	13	F1X2 CCCCCC XXXX CD	29	F2 CCCCCCC WWWW CD	
	14	F1F2 CCCC XCD XXXXX CD	30	F1F2 CC NNN PPPPP CD	
	15	F2 CCCCC XCD XXXXX CD	31	F1F2 C NNNN PPPPP CD	

01	**Right Side Data of Item Barcode**				√
	0	Quantity	4	Original Price	# Related to SPEC153.
	1	Price	5	Weight / Quantity	
	2	Weight	6	Unit Price	
	3	User Programmable #	7	Unit Price after discount	

02	**Right Side Price Data of Item Barcode**				√
	0	Price before Tax	1	Price after Tax	Effective when SPEC1 = 1

03	**Flag Data F1 and F2 for 13 Digits Non-PLU Barcode**	√
	Enter value from range 0 to 99	

04	**Flag Data F1 and F2 for 13 Digits PLU Barcode**	√
	Enter value from range 0 to 99	

05	**Flag Data F2 for 8 Digit Non-PLU Barcode**	√
	Enter value from range 0 to 9	

06	**Flag Data F1 and F2 for 8 Digit PLU Barcode**	√
	Enter value from range 0 to 99	

07	Total Barcode				√
	0	F1F2 CCCCC XCD XXXX CD	16	F1F2 CCC XXXXXXX CD	All are 13 digits non-PLU barcode unless otherwise stated. #1 13 digits PLU barcode #2 8 digits PLU barcode #3 8 digits non-PLU barcode #4 For SF #5 Non Barcode
	1	F2 CCCCCC XCD XXXX CD	17	F1F2 CC XXXXXXXX CD	
	2	F1F2 CCCCC 0 XXXX CD	18	CCC WWWW PPPPP CD	
	3	F1F2 CCCCCC XXXX CD	19	No Barcode	
	4	F1F2 CCCCC XXXXX CD	20	F1F2 CCCCC PCD XXXX CD	
	5	F2 CCCCCC XXXXX CD	21	F1F2 RRRRR XXXXX CD #4	
	6	F2 CCCCC XXXXXX CD	22	F2 CCCCC XXXXXX CD	
	7	F1F2 CCCCCCCCCC CD #1	23	FFF CCCC PPPPP CD	
	8	F1F2 CCCC XXXXXX CD	24	F1F2 CCCCC WWWWW CD	
	9	F1F2 CCCC CD #2	25	F2 CCCCC WWWWW 0 CD	
	10	F2 CC XXXX CD #3	26	F1F2 CCCCCC WWWW CD	
	11	No Barcode	27	CCCCCCC XXXXXX #5	
	12	F1X2 CCCCC XCD XXXX CD	28	F1F2 CCC XXXXXXX CD	
	13	F1X2 CCCCCC XXXX CD	29	F2 CCCCCCC WWWW CD	
	14	F1F2 CCCC XCD XXXXX CD	30	F1F2 CC NNN PPPPP CD	
	15	F2 CCCCC XCD XXXXX CD	31	F1F2 C NNNN PPPPP CD	

08	Left Side Data of Total Label				√
	0	Scale No.	3	Clerk No.	
	1	Last Accumulated Item Code	4	Fixed No.	
	2	Receipt No.	5	Total Label No.	

09	Fixed Data for Left Side Data of Total Barcode	√
	Enter value from range 0 to 9 999 999 999	

10	Flag Data F0, F1 and F2 for Total Barcode	√
	Enter value from range 0 to 999	

11	Right Side Data of Total Barcode				√
	0	Quantity	2	Weight	
	1	Price			

12	Total Barcode Print on Receipt				√
	0	No	1	Yes	

13	Print Readable Character of F1 for Item and Total Barcode (for EAN only)				
	0	No Print	1	Print	

14	Printing Position for Advertisement Message				
	0	First Line	2	Above	Not used.
	1	Below	3	Not Used	

15	Turnover Printing for Advertisement Message				
	0	No	1	Yes	

16	Exit from "Change" Mode within Specified Interval				√
	0	No	3	10 sec	
	1	3 sec	4	15 sec	
	2	6 sec			

17	Order of the Month, Day and Year for Print			√
	0	MM/DD/YY	2	YY/MM/DD
	1	DD/MM/YY	3	Not Used

18	1 or 2 Line(s) Commodity Name on Receipt			√
	0	2 Lines	2	No Print
	1	1 Line		

19	Label Printing by Clerk Key			√
	0	No Print	2	Print without Accumulated
	1	Print with Accumulation		

20	Total Label Printing			√
	0	No Print	1	Print

21	Printing Operator Name on Receipt and Label			√
	0	Code	1	Name

22	Receipt Paper Width			
	0	60 mm	2	50 mm
	1	40 mm		

23	Manual Price Entry for Printing or Accumulating			√
	0	Allow	1	Inhibit

24	Default Label Format for Item Printing								√
	0	T1	Not Used	[A]	12	S	(T6)	[T7]	Formats in ( ) are for U1 only.
	1	T2	(A)	[B]	13	A	(T7)	[T8]	
	2	T3	(B)	[C]	14	B	(T8)	[T9]	
	3	T4	(C)	[U2]	15	C	(T9)	[T10]	
	4	T5	(U2)	[U3]	16	F1	(T10)	[F1]	Formats in [ ] are for CA only.
	5	T6	(U3)	[U4]	17	F2	(F1)	[F2]	
	6	T7	(U4)	[U5]	18	F3	(F2)	[F3]	
	7	T8	(U5)	[U6]	19	F4	(F3)	[F4]	
	8	T9	(U6)	[U7]	20	F5	(F4)	[F5]	F1 to F8 are Free Format.
	9	T10	(U7)	[U8]	21	F6	(F5)	[F6]	
	10	T11	(U8)	[T5]	22	F7	(F6)	[F7]	
	11	T12	(T5)	[T6]	23	F8	(F7)	[F8]	
					24	-	(F8)	-	

25	Default Label Format for Total Printing								√
	0	T1	Not Used	[A]	12	S	(T6)	[T7]	Formats in ( ) are for U1 only.
	1	T2	(A)	[B]	13	A	(T7)	[T8]	
	2	T3	(B)	[C]	14	B	(T8)	[T9]	
	3	T4	(C)	[U2]	15	C	(T9)	[T10]	
	4	T5	(U2)	[U3]	16	F1	(T10)	[F1]	Formats in [ ] are for CA only.
	5	T6	(U3)	[U4]	17	F2	(F1)	[F2]	
	6	T7	(U4)	[U5]	18	F3	(F2)	[F3]	
	7	T8	(U5)	[U6]	19	F4	(F3)	[F4]	
	8	T9	(U6)	[U7]	20	F5	(F4)	[F5]	F1 to F8 are Free Format.
	9	T10	(U7)	[U8]	21	F6	(F5)	[F6]	
	10	T11	(U8)	[T5]	22	F7	(F6)	[F7]	
	11	T12	(T5)	[T6]	23	F8	(F7)	[F8]	
					24	-	(F8)	-	

26	Shop Name Printing on Label			√
	0 No Print	1	Print	

27	Forced Tare Function			√
	0 Disable	1	Enable	

28	Peel Sensor Function in Prepack Mode			√
	0 Disable	1	Enable	

29	Continuous Print for Label in Prepack Mode			√
	0 Inhibit	1	Allow	

30	Selection of CDV			√
	0 Inhibit	1	Allow	For SF.

31	CDV Type			
	0 CDV	1	Tear-off	For SF.

32	CDV Modulus			√
	0 Modulus 10	1	Modulus 11	For SF. Effective when SPEC30 and 31 = 1.

33	On Spot Correction			√
	0 Allow	1	Inhibit	

34	Search Correction			
	0 Allow	1	Inhibit	

35	Move Back Correction			√
	0 Allow	1	Inhibit	

36	Past Sales Data Correction			√
	0 Allow	1	Inhibit	

37	Label Print Density			√
	0 Low	2	High-mid	
	1 Mid	3	High	

38	Receipt Print Density			√
	0 Low	2	High-mid	
	1 Mid	3	High	

39	**Calling of PLU**			√
	0 Manual 1 Auto	2	Time-out	Related to SPEC40.

40	**PLU Digits for Auto PLU Calling/Time-out Calling**			√
	0 3 Digits / 0.5 sec 1 4 Digits / 1.0 sec	2 3	5 Digits / 1.5 sec 6 Digits / 2.0 sec	Effective when SPEC39 = 1.

41	**Unit Price of Weigh PLU Can Use for Price of Non-weigh PLU and Vice Versa**			√
	0 Allow	1	Inhibit	Effective when SPEC643 = 0.

42	**Unit Price Override**			√
	0 Allow	1	Inhibit	

43	**Main Usage for Commodity Name, Shop Name and Special Message**			√
	0 Receipt	1	Label	

44	**Tare Override**			√
	0 Allow	1	Inhibit	

45	**Item Printing**			√
	0 Allow	1	Inhibit	

46	**Default Data of Printing Shop Name Number for Label**	√
	Enter value from range 0 to 32	

47	**Default Data of Printing Shop Name Number for Receipt**	√
	Enter value from range 0 to 32	

48	**Setting of Scale Number**	√
	Enter value from range 0 to 999 999	

49	**Type of Client / Server Interface**			√
	0 No Interface 1 Ethernet (Coaxial Cable) 2 Ethernet (Twisted Pairs)	3 4	Not Used 4-Lines (RS-485)	Related SPECs for Ethernet I/F are SPEC50, 135, 214.

50	**Setting of Client / Server**			√
	0 Client 1 Server / Workstation	2	Backup Server	Related SPECs for S/C setting are SPEC61, 150, 163, 165, 187, 194, 208, 229, 252, 253, 254, 255, 265, 276.

51	**Baud Rate of SIO (RS-232C Port)**			√
	0 1 200 bps 1 2 400 bps 2 4 800 bps 3 9 600 bps	4 5 6	19 200 bps 38 400 bps 76 800 bps	Apply to both RS-232C and RS-485 ports setting for SM-300. Related SPECs are SPEC48, 52, 53, 54, 60, 134.

52	Data Length of SIO (RS-232C Port)			√
	0 7 Bits	1	8 Bits	Apply to both RS-232C and RS-485 ports setting for SM-300.

53	Parity Bit of SIO (RS-232C Port)			√
	0 None 1 Odd	2	Even	Apply to both RS-232C and RS-485 ports setting for SM-300.

54	Stop Bit of SIO (RS-232C Port)			√
	0 1 Bit	1	2 Bits	Apply to both RS-232C and RS-485 ports setting for SM-300.

55	Baud Rate of Multi-drop SIO (RS-485 / 4-Lines Port)			
	0 1 200 bos 1 2 400 bps 2 4 800 bps	3 4 5	9 600 bps 19 200 bps 38 400 bps	Related SPECS are SPEC48, 56, 57, 58, 59, 134.

56	Data Length of Multi-drop SIO (RS-485 / 4-Lines Port)			
	0 7 Bits	1	8 Bits	

57	Parity Bit of Multi-drop SIO (RS-485 / 4-Lines Port)			
	0 None 1 Odd	2	Even	

58	Stop Bit of Multi-drop SIO (RS-485 / 4-Lines Port)			
	0 1 Bit	1	2 Bits	

59	Multi-drop SIO (RS-485 / 4-Lines Port) Select Job			
	0 No Operation 1 FIS 3000 #1	2	Pick 'N' Pay #2	#1 Either SPEC59 or 60 can be selected at any one time. #2 For SF.

60	SIO (RS-232C Port) Select Job			√
	0 No Operation 1 FIS 30000 #1 2 FL-1 3 Point 'N' Shop	4 5 6 7	Barcode Scanning Video Control #2 SM5100+ SM5100+BS	Apply for both RS-232C and RS-485 ports setting for SM-300. #1 Refer to SPEC59's comments #1. #2 For SM-300 only

61	Floating Clerk			√
	0 Inhibit	1	Allow	

62	Receipt Free Format			√
	0 Disable 1 Enable	2 3	Enable (For single item only) Enable (Total on the top)	Exclude AA.

63	SM-90 and DI-10 RS-232C Communication			√
	0 No	1 Yes		

64	Enable Password Mode			√
	0 Allow 1 Inhibit	2 Allow Multi Password		

65	Report Printing in Daily and Term Transaction Clear			√
	0 Inhibit	1 Allow		

66	Pack Quantity Function Key Enable			√
	0 Allow	1 Inhibit		

67	Advertisement Function Key Enable			√
	0 Allow	1 Inhibit		

68	Fixed Total Price Discount Function Key Enable			√
	0 Allow	1 Inhibit		

69	Total Price Percentage Discount Function Key Enable			√
	0 Allow	1 Inhibit		

70	Fixed Unit Price Function Key Enable			√
	0 Allow	1 Inhibit		

71	Fixed Unit Price Percentage Function Key Enable			√
	0 Allow	1 Inhibit		

72	Pack Date Function Key Enable			√
	0 Allow	1 Inhibit		

73	Minus Pack Date Function Key Enable			√
	0 Allow	1 Inhibit		

74	Sell by Date Function Key Enable			√
	0 Allow	1 Inhibit		

75	Unit Symbol Function Key Enable			
	0 Allow	1 Inhibit		

76	Quantity Set Function Key Enable			√
	0 Allow	1 Inhibit		

77	Price Change Function Key Enable			√
	0 Allow	1 Inhibit		

78	Refund Item Function Key Enable			√
	0 Allow	1 Inhibit		

79	Shop Name Function Key Enable			√
	0 Allow	1 Inhibit		

80	Logo Function Key Enable			√
	0 Allow	1 Inhibit		

81	**Print Select Function Key Enable**			√
	0 Allow	1	Inhibit	

82	**Print of Place of Production on Label**			√
	0 Inhibit	1	Allow	

83	**Selection of Markdown**			√
	0 No Markdown	2	Total Price Markdown	
	1 Unit Price Markdown	3	Unit and Total Price Markdown	

84	**Sub-total Function Key Enable**			√
	0 Allow	1	Inhibit	

85	**Grand Total Function Key Enable**			√
	0 Allow	1	Inhibit	

86	**Label Sensor Gap Value**			
	Enter value range from 0 to 255			

87	**Label Type**			√
	0 Gap	1	No Gap	

88	**Sell by Date Title Print out**			√
	0 Inhibit	1	Allow	For AA.

89	**ASCII Code Entry in S Mode**			
	0 Inhibit	1	Allow	For AA only.

90	**Sub-total Markdown**			√
	0 No Markdown	1	Markdown	

91	**Printer Speed for Receipt**			√
	0 Slow	2	High	
	1 Normal			

92	**Printer Speed for Label**			
	0 Slow	2	High	Not used.
	1 Normal			

93	**Print Second Receipt**			√
	0 No Print	3	3 sec Delay	
	1 Continuous Print	4	User Select	
	2 1 sec Delay			

94	**Position of Currency Symbol (on Label)**			√
	0 Before Price	1	After Price	

95	**Receipt Printing with Dual Copy**			
	0 Inhibit	1	Allow	

96	**Advertisement Message on All Label**			√
	0 Inhibit	1	Allow	

97	**Manual Print in Prepack Mode for Weigh Item**			√
	0 Inhibit	1	Allow	

98	Quantity and Unit Symbol Print Out for Non-weigh Item in Manual Mode				√
	0	Allow	1	Inhibit	

99	Unit Print Out for Non-weigh Item in Manual Mode				
	0	Inhibit	1	Allow	

100	Discount in PLU Programming				√
	0	Allow	1	Inhibit	

101	Zero Suppress for Date and Time				√
	0	Disable	1	Enable	

102	Discount Presentation in Receipt				
	0	Discounted Unit Price and Original Price	1	Original Unit Price and Price	

103	Unit Price Assignment Function Key for PLU				√
	0	Enable	1	Disable	

104	Discount Price Rounding Method				√
	0	Rounding	2	Cut Up	
	1	Cut Down			

105	Fixed Total Price Markdown Function Key Enable				√
	0	Allow	1	Inhibit	

106	Total Price Percentage Markdown Function Key Enable				√
	0	Allow	1	Inhibit	

107	Fixed Unit Price Markdown Function Key Enable				√
	0	Allow	1	Inhibit	

108	Fixed Unit Price Percentage Markdown Function Key Enable				√
	0	Allow	1	Inhibit	

109	Source of Sell by Date				√
	0	Real Time Clock	1	Packed Date	

110	Year Type				
	0	Standard	1	Japanese / Taiwan	For AA and TW only.

111	Price Symbol on Receipt				
	0	No Print	2	Yen	For AA only.
	1	Kanji Yen			

112	Default Data of Printing Special Message Number for Receipt	√
	Enter value range from 0 to 16	

113	**Label Logo Printing Status**			√
	0	No Print	3 Logo 3	
	1	Logo 1	4 Logo 4	
	2	Logo 2		

114	**Receipt Logo Printing Status**			√
	0	No Print	4 Logo 3	
	1	Logo 1	5 Logo 4	
	2	Logo 2	6 Logo 1, 2, 3 and 4	
	3	Logo 1 and 2		

115	**Type of Entry for Used by Date and Sell by Date**			√
	0	By Day	1 By Hour	For NICHII.
	2	By Minute		

116	**Barcode Printing in First Label for Dual Label Printout**			
	0	Print	1 No Print	For NICHII.

117	**Zero Minutes Printing**			
	0	No Print	1 Print	For NICHII.

118	**Both Price before and after Discount**			
	0	Price before and after Discount	1 Price before Discount only	For NICHII.

119	**Unit Symbol Printout in Receipt**			√
	0	Depend on PLU Programming	2 No Print	For AA.
	1	Japanese PCS		

120	**PLU Number Print**			√
	0	No Zero Suppress	1 Zero Suppress	

121	**Thick Japanese Character Printout**			
	0	Thick Character	1 Thin Character	For AA only.

122	**Prepare Mode after Power On**			
	0	Manual Mode	1 Prepack Mode	Always set to 0 for SM-200.

123	**Printing Thank You Message on Receipt**			√
	0	Enable	1 Disable	

124	**PLU Unit Price after Discount**			√
	0	Unit Price after Discount	1 Unit Price Discount Amount	

125	**Position of Special Message on Receipt**			√
	0	Bottom	1 Top	

126	**Function Keys Protection for Self-service**			√
	0	No Protection	2 Partial Protection	
	1	Full Protection		

127	**Printing of Checksum for Item Barcode**			√
	0 Disable	1	Enable	

128	**Setting of Host Number (For SM-15 Multi-drop)**	
	Enter value between 0 to 99	For IR only.

129	**Type of Host to be Communicated**			
	0 Standalone 1 TMR ECR	2	POS ECR	For IR only. Use with SPEC128.

130	**Selection of Print Item on Prepack Total Label**			√
	0 Based on Status on Item Label	1	Based on Status on Manual Total Label	

131	**Print PLU Setting Quantity in Manual Mode**			√
	0 No	1	Yes	Effective when SPEC98 = 0.

132	**Receipt Total Report**			
	0 No	1	Yes	For DM.

133	**Change All PLU Default Format when Default SPEC Change**			√
	0 Yes	1	No	

134	**Host Communication**			
	0 No Operation	1	Enable	

135	**Port Number**	√
	Enter value from range 1 to 254	

136	**One or Two Touch for Self-service Operation**			√
	0 One Touch	1	Two Touches	

137	**Centering of Ingredient Data**			√
	0 Yes	1	No	

138	**Permanent Price or Discount Price Change via Function Key**			√
	0 No Update to PLU	1	Update to PLU	

139	**Number of Digits for Teraoka Code**			
	0 2 Digits	1	3 Digits	

140	**AA Message Size**			
	0 24 x 24	1	16 x 16	For AA only.

141	Year Format			√
	0 YY	1	YYYY	

142	Selection of Day Display for Sell by Date			√
	0 Disable	1	Enable	

143	Peel Sensor Trigger Voltage			
	0 High	1	Low	

144	Display Prepack Quantity Balance			
	0 Enable	1	Disable	

145	Print Select Function Across the Board			√
	0 Disable	1	Enable	

146	Label Format 1, 2 Function Key Enable			√
	0 Inhibit	1	Allow	Exclude AA.

147	Prepack Non-add Function Key Enable			
	0 Inhibit	1	Allow	Exclude AA.

148	FIS3000 Code			
	0 SM-80/90 FIS3D	1	SM-25 FIS3D	

149	Main Group Function Key Enable			
	0 Inhibit	1	Allow	Exclude AA.

150	Preset Key Assignment for Client			√
	0 Server synchronize	1	Client manual Assign	

151	Change Sell by Date or Used by Date when Packed Date Changed			√
	0 No	1	Yes	

152	Sell by Date or Sell by Time for Individual PLU			√
	0 Disable	1	Enable	

153	User Programmable Right Side Data for Item Barcode			√
	0 With Identification Digit	1	Without Identification Digit	

154	Keysheet Letter Size			
	0 Small Letter	1	Capital Letter	For FL & AS.

155	Test Print on Receipt			
	0 No Print	1	Print	For SD.

156	Image Copy from Free Format			√
	0 Disable	1	Enable	

157	Training Mode			
	0 Disable	1	Enable	Exclude DEC.

158	FSD Price and Image			
	0 Disable	1	Enable	For U1.

159	½ and ¼ Key Function			
	0 Disable	1	Enable	

160	Twisted Pair Cable for Ethernet			
	0 Shield	1	Unshielded	Not in used.

161	Discount Label Format			√
	0 Enable	1	Disable	For SD.

162	Item Code Function Key Enable			
	0 Enable	1	Disable	

163	Transaction Data Store in Client Memory			
	0 Disable	1	Enable	

164	Maximum Label Length			
	0 120 mm	1	240 mm	

165	Update Report for Client / Server System			
	0 PLU Total File 1 No	2	Text Data	Not Used.

166	Average Price and Weight Label Function			√
	0 Disable	1	Enable	

167	Label Date Title Print			√
	0 No Print	1	Print	Exclude AA.

168	GB Code			
	0 GB Code	1	Shift GB Code	For CN and MS only.

169	Print PLU Setting Unit in Manual Mode			
	0 No	1	Yes	

170	User Specification (REZERO + 141) Accessible from Z Mode Only			
	0 No	1	Yes	

171	Euro Mode			√
	0 Disable	1	Enable	

172	Dual Declarations			√
	0 No	1	Yes	For U1.

173	Mask 7-segment Display in X, S and Z Mode			
	0 No	1	Yes	For double display types only.

174	Fixed Clerk Assign to Preset Key 8, 16, 24 and 32			
	0 Clerk Keys	1	Function Keys	For bench type only.

175	30 lb to 15 kg Conversion			
	0	Disable	1 Enable	For UK.

176	Discount Time on Daily Basis			√
	0	No	1 Yes	

177	Weight Check Function			
	0	No	1 Yes	

178	Unit Price Override per PLU			√
	0	No	1 Yes	

179	Black Bar Sensing Label			√
	0	Normal	1 Black Bar Sensing	

180	Scroll Message Group			√
	0	Disable	1 Enable	

181	Continuous Label			√
	0	Disable	1 Enable	

182	Character Size for Barcode Data			√
	0	Large	1 Small	

183	PLU Clear after 10 seconds Time-out			
	0	No	1 Yes	

184	Duplicate Unit and Total Price on Label			
	0	No Print	1 Print	Effective when SPEC158 = 1.

185	Weigh PLU Can Use for Non-weigh PLU and Vice Versa Function Key Enable			√
	0	Disable	1 Enable	

186	Print $ and Weight Unit on Label			√
	0	No Print	1 Print	

187	Clear Total Data by Server			
	0	Both Server and Client	1 Server	

188	Tare Decimal Point Left Shift for SM-25 FIS3D			
	0	No	1 Yes	

189	PLU Auto Delete			
	0	No Delete	2 30 Days	
	1	15 Days	3 90 Days	

190	**Swap Weight and Unit Price on Receipt**			
	0	No	1	Yes

191	**Default Item Code Equals to PLU Number**			√
	0	No	1	Yes

192	**Nutrition Template**			
	0	Standard	3	Standard Condensed
	1	Simplified	4	Tabulated
	2	Simplified Condensed	5	Tabulated Extra Condensed

For U1 and CA only.

193	**Nutrition Adjustment Feed**	√
	Enter value from range 0 to 255	For U1 and CA.

194	**Server IP Address**	√
	Enter a value between 1 to 254	For Client scale only.

195	**Weight Print for Non-weigh Item**			√
	0	No	1	Yes

196	**Scale File**			
	0	Disable	1	Enable

197	**Print Format of Month**			√
	0	Number	2	3 Alphabetic
	1	2 Alphabetic		

198	**FSD Saving Calculation**			
	0	Net Value	1	Cent Off

For U1.

199	**FIS3000 Time Out**			
	0	2 sec	2	32 sec
	1	8 sec		

200	**PLU Call Up Range**			
	0	Disable	1	Enable

201	**Sell by Date for Manual Mode**			
	0	Programmed Sell by Date	1	Zero Sell by Date

202	**Printing of Item Label when Barcode Data Overflow**			√
	0	Print	1	No Print

203	**Preset Keys Pages**			√
	0	1 Page	2	3 Pages by Shift Key
	1	3 Pages by Toggle		

204	**Reference PLU Function Key Enable**			
	0	Inhibit	1	Allow

205	**Print Function Key Enable**			√
	0 Inhibit	1	Allow	

206	**Print Barcode when Right Side Data Overflow**			
	0 No print	1	Print Barcode Digits	

207	**Weight Decimal Point Position for Barcode and Label Printing**			
	0 Same as SPEC607	1	0.000	Effective when SPEC607 = 2.

208	**Network Time Out**			√
	0 3 sec	2	x4	
	1 x2	3	x10	

209	**FSD Calculation**			
	0 Unit Price	1	Price Percentage Off	For U1.

210	**PLU Repeat Function Key Enable**			
	0 Inhibit	1	Allow	

211	**Pick 'N' Pay Protocol**			
	0 Old	1	New	For SF.

212	**Department Number for Pick 'N' Pay**			
	Enter a value between 1 to 99			For SF.

213	**Flag Code Function Key Enable**			
	0 Inhibit	1	Allow	

214	**DHCP Function**			
	0 Disable	1	Enable	

215	**Centering of Special Message**			√
	0 Yes	1	No	

216	**JIS Code Table**			
	0 New	1	Old	For AA only.

217	**Default Label Format 2 for Item Printing**			√
	0 Not Used	5	F5	
	1 F1	6	F6	
	2 F2	7	F7	
	3 F3	8	F8	
	4 F4			

218	**Zero Unit Price for Unit Price Change Function Key**			
	0 Inhibit	1	Allow	

219	**Numeric Key Entry Reset**			√
	0 3 sec	2	Disable	For AA.
	1 5 sec			

220	Item Barcode Right Side Data Dependent on Unit				
	0	Disable	1	Enable	Effective when SPEC1 = 0 or 2.

221	Receipt with Tax Information Function Key Enable				√
	0	Inhibit	1	Allow	

222	Open Cash Drawer without Sales Function Key Enable				√
	0	Inhibit	1	Allow	

223	Negative Unit Price Function				√
	0	Disable	1	Enable	

224	FIS3000 Wire Type				
	0	4 wires	1	2 wires	

225	Prepack Grand Total for Individual PLU				√
	0	Yes	1	No	

226	Reverse Calculation of ITF Check Digit				√
	0	No	1	Yes	

227	Unit Price Override Password Function				
	0	Inhibit	1	Allow	Effective when SPEC178 = 1.

228	Individual PLU Total Transaction				√
	0	No	1	Yes	

229	Preset Key Group				
	0	Disable	1	Enable	Effective when SPEC150 = 1.

230	Auto Print after PLU Call				√
	0	No	1	Yes	

231	Zero Unit Price for PLU and Unit Price Override				√
	0	Inhibit	1	Allow	

232	Feed for Continuous Label				√
	0	No	1	Yes	

233	Time Format				√
	0	24 Hours	1	12 Hours (AM/PM)	

234	Sub-total and Grand Total Barcode				√
	0	Based on Item Barcode	1	Based on Total Barcode	

235	Mask Barcode Last Human Readable Check Digit				√
	0	No	1	Yes	

236	Character Generator for Korea				
	0	Old	1	New	For KE only.

237	**Half-key Function**			√
	0 Inhibit	1	Allow	

238	**FIS3000 Free Format Unit**			√
	0 mm	2	SM-25 Dots	
	1 Dots			

239	**Cheque and Credit Payment Function Key**			√
	0 Inhibit	1	Allow	

240	**Voucher Payment Function Key**			√
	0 Inhibit	1	Allow	

241	**PLU Code for IR POS and TMR**			√
	0 6 Digits	1	7 Digits	

242	**Discount without Limit Function Key**			
	0 Inhibit	1	Allow	

243	**Concatenate Commodity Name Display**			
	0 No	1	Yes	

244	**Enable PLU Price Change Flag**			√
	0 No	1	Yes	

245	**Print Sell by Date or Used by Date when Date Equals Packed Date**			√
	0 Yes	1	No	

246	**Print First and Check Digits Outside Barcode**			√
	0 No	1	Yes	

247	**Print Packed date**			√
	0 Manual and Prepack Mode	2	Prepack Mode	
	1 Manual	3	No Print	

248	**Print Sell by Date**			√
	0 Manual and Prepack Mode	2	Prepack Mode	
	1 Manual Mode	3	No Print	

249	**Print Used by Date**			√
	0 Manual and Prepack Mode	2	Prepack Mode	
	1 Manual Mode	3	No Print	

250	**Centering Shop Name on Label**			√
	0 No	1	Yes	

251	**Shop Name on Receipt**			√
	0 Top	1	Bottom	

252	Auto Reconnect when Server Down			√
	0 Disable	2	20 sec	
	1 10 sec	3	30 sec	

253	Client Auto PLU Update			
	0 Update / Delete Existing PLU	3	Update All Server PLU	
	1 Update / Delete All Sever PLU	4	Disable	
	2 Update Existing PLU			

254	Auto Update of Client Off-line Report			√
	0 Disable	1	Enable	Effective when SPEC61 = 1.

255	Retry Ethernet Communication			
	0 2 times	1	5 times	

256	Display Price with Tax after Clerk Key Press			
	0 Yes	1	No	For AA.

257	Change Place Name to PLU via Function Key			
	0 No	1	Yes	For AA.

258	Beef Labeling			√
	0 No	1	Yes	

259	Auto Print Sub-total Label in Prepack			√
	0 No	1	Yes	

260	Beef Labeling : Print Country			√
	0 Code	1	Name	

261	External Rewinder			
	0 Disable	1	Enable	

262	Selection of Receipt / Label			
	0 Label	1	Receipt	Always set to 1 for SM-200.

263	FSD Net Value Minimum			
	0 Off	1	On	For U1.

264	Print Ingredient Data on Next Label			√
	0 Disable	1	Enable	

265	Client Using Local Free Format Label			
	0 No	1	Yes	

266	FSD Weight			
	0 Back Computed (Single Range)	2	Exact Weight	For U1.
	1 Back Computed (Dual Range)			

267	CPDL Language Selection			
	0	First Language	1	Second Language

268	Display Special Scale Message for Discounted Item			
	0	No	1	Yes

Exclude AA, HK, CN, TW and KE.

269	Auto Clerk Accumulation (for scanner)			√
	0	No	4	V4
	1	V1	5	V5
	2	V2	6	V6
	3	V3	7	V7

For IR.

270	Individual Report Print and Clear in Z Mode			
	0	Disable	2	Auto Clear
	1	Manual Clear		

271	Store Total Report Clear			
	0	Store Total Report Only	1	All Report

Effective when SPEC270 = 1 or 2.

272	Beef Reference Number			√
	0	Code	1	Date

273	Item Code Follow PLU Number			√
	0	Yes	1	No

274	Bench Key Pad			
	0	New	1	Old

275	Taiwan Receipt Printer			
	0	Disable	1	Enable

For TW only. Apply for POS1 FLEX PP2000 srs. 2 only.

276	Floating Server			
	0	Disable	1	Enable

277	Real Time Buffer			√
	0	No	4	5 Days
	1	2 Days	5	6 Days
	2	3 Days	6	7 Days
	3	4 Days	7	Unlimited

278	Traceability Report			√
	0	Disable	3	By Date and Reference No.
	1	By Reference No.	4	By Date and PLU No.
	2	By PLU No.		

279	U1 Self-service			
	0	Disable	1	Enable

For U1 only.

280	Real Time Customer Number			√
	0 No	1	Yes	

281	Real Time Buffer Receipt			
	0 Detail	1	Total Only	

282	Barcode Function			
	0 Without CR	1	With CR	

283	Barcode Look-up-table (LUT) Contents			
	0 Non-weigh Item Only	1	All Items	

284	Open Cash Drawer on Credit Payment			√
	0 Allow	1	Inhibit	

285	Australia ECR Function			√
	0 No	1	Yes	For AR only.

286	Enforce Amount Tendered			√
	0 No	1	Yes	

287	Enforce Change Key			√
	0 No	1	Yes	

288	Planned Price Printed in Report			√
	0 Enable	1	Disable	

289	Repeat PLU Call			
	0 No	1	Yes	

290	Payment Key			
	0 Disable	1	Enable	For DEC countries.

291	Gap Value In-feed Operation			√
	0 Re-adjustable	1	No Change	

292	SM-200 Power Save			
	0 Back Light Off	1	Power Off	

293	PLU Scrolling Message Display Interval			√
	0 Disable	4	1 Min	For U1.
	1 3S	5	2 Min	
	2 10S	6	5 Min	
	3 30S			

294	SM-200 Battery Option			
	0 Yes	1	No	

295	SM-300 Scrolling Message Update Rate			
	0 6 Lines	1	12 Lines	

296	**Expand Record # for Ingredient and Special Message**			
	0 No	1	Yes	Not used.

297	**Print PLU Ingredient in Receipt**			√
	0 No	1	Yes	

298	**Traceability Update Function**			√
	0 No	1	Yes	

299	**Keyboard Selection for Self-service**			√
	0 72 Preset Keys	1	120 Preset Keys	

300	**SM-500 Self-Service**			
	0 No	1	Yes	96 Preset Keyboard. Identical to SPEC688.

301	**Print Receipt after Accumulation**			√
	0 Yes	1	No	

302	**Fixed Port Number for Ethernet**			
	Enter value from 1 to 254			

303	**DHCP IP Address Lease Time**			
	0 Disable	1	Enable	

304	**Server Port Number**			
	Enter value from 1 to 254			

305	**Character Spreading Speed Up**			
	0 Disable	1	Enable	(S3, S4, M3 & M4) For U1.

306	**Unit Print on Receipt**			√
	0 Pcs	1	Items	

307	**Code Page**			
	0 DOS	1	ANSI	For IR only.

308	**SM-500 2nd Receipt Printer**			
	0 Disable	1	Enable	

309	**Praxis Function**			
	0 Disable	1	Enable	For DEC countries.

310	**Multi Barcode Type**			√
	0 EAN128 1 RSS 2 CODE128 3 PDF417 #	4 5 6	GS1 QR Code # GS1 DataMatrix # GS1 DataBar Composite #	# For multi barcode 2 only.

311	**Operator Logging Function**			
	0 Disable	1	Enable	

312	**Price Change Password**			√
	0 Disable	1	Enable	For CA.

313	**Price Change Log File**			√
	0 Disable	1	Enable	For CA.

314	**Training Mode**			
	0 Disable 1 Enable	2	Enable (Clerk Report)	For DEC.

315	**Print PLU Traceability in Receipt**			√
	0 Yes 1 No	2	Yes (Brief format)	

316	**Include Prepack Total in Manual Total Report**			√
	0 Yes	1	No	

317	**Wireless Communication**			√
	0 No	1	Yes	

318	**Wireless FTP Port Number**			
	Enter value range from 1 to 9999			Not in used.

319	**Delete Traceability Record**			√
	0 Yes	1	No	

320	**PLU Link to Text Field**			√
	0 Disable	1	Enable	

321	**Julian Date**			√
	0 No 1 Packed date only 2 Sell by date only 3 Sell & packed date	4 5 6 7	Used by date only Used & packed date Used & sell date All	

322	**Price Printing Size (Large Font)**			√
	0 No	1	Yes	Effective when SPEC186 = 0

323	**Auto PLU Broadcasting**			
	0 Disable	1	Enable	

324	**Decimal Point For Unit Price And Total Price**			
	0 Disable	1	Enable	

325	**Peel Sensor Value**			
	0 Re-adjust	1	No Change	

326	**ON/Off Key**			√
	0 Enable	1	Disable	

327	**Print Control for Image**			√
	0 Disable	1	Enable	

328	TU 9 Digit Total Price			
	0 Disable	1	Enable	For Tu only.

329	PLU Tare Call up			
	0 Allow	1	Inhibit	

330	Individual Scale Store Total Report			
	0 No	1	Yes	

331	Default ITF for Barcode			√
	0 Disable	1	Enable	

332	ITEM Text (5-16) Print on Total Label			√
	0 Disable	1	Enable	

333	Image at Top Receipt	√
	Enter range from 0 to 99	

334	Image at Bottom Receipt	√
	Enter range from 0 to 99	

335	Traceability Eat By Date			√
	0 Disable	1	Enable	

336	Traceability Max Weight			√
	0 Disable	1	Enable	

337	Traceability Default Label Format			
	0 Not Used	5	F5	
	1 F1	6	F6	
	2 F2	7	F7	
	3 F3	8	F8	
	4 F4			

338	Traceability Barcode			√
	0 EAN13	1	EAN128	Effective when SPEC508 = 2

339	Flag Data (EAN13)	√
	Enter range from 0 to 99	Effective when SPEC508 = 2

340	Enforce Scan			√
	0 No	1	Yes	

341	TVP2000 (SM300)			
	0 Not Send T10	1	Send T10 Label Format	

342	LCD 1 Line Scroll			
	0 Disable	1	Enable	Not for SM300

343	Clear Key in Prepack			
	0 Enable	1	Disable	

344	Print Pack Date			
	0 Yes	1	No	

345	Update Spec For Server/Client System			
	0 Enable	1	Disable	

346	Update Label Turn-over In Receipt Buffer			√
	0 No	2	Only In Prepack Mode	
	1 Only In Registration Mode	3	Both	

347	Internet Broadcast			
	0 No	1	Yes	

348	Taiwan POP Label			
	0 Disable	1	Enable	For TW only

349	Direct Access To Clerk Mode			
	0 Disable	1	Enable	

350	Additional Rounding In Receipt			
	0 Print	1	No Print	

351	Gratuitous ARP			√
	0 Disable	1	Enable	

352	Magali Traceability			
	0 Disable	1	Enable	

353	UP & WT Check Before LBL PRT			√
	0 Disable	1	Enable	For CN

354	Romanian Currency			
	0 No	1	Yes	For RM only

355	Call PLU From PC			
	0 Disable	1	Enable	Not Used.

356	Expand Record # For Image			
	0 Disable	1	Enable	

357	Multi Barcode For Item & Total LBL			
	0 Disable	1	Enable	

358	Auto Print Per PLU			
	0 No	1	Yes	

359	Total Price Based On Barcode (SF)			
	0 No	1	Yes	Not used

360	Generic Barcode			
	0 No	1	Yes	For AS, BG, NL, FR, WG, AND CR

361	Text Copy From Free Format			√
	0 Disable	1	Enable	

362	Price Calculation Based On Gross WT			
	0 Disable	1	Enable	For LT/EI. Not for SM300

363	Barcode Readable Character			
	0 Print	1	No Print	

364	Decimal Point For AI(392x)			
	0 Same as SP609	3	3 D.P.	
	1 1 D.P.	4	4 D.P.	
	2 2 D.P.	5	5 D.P.	

365	Backup Server IP Address	
	Enter range from 0 to 254	

366	Commodity Name Printing			
	0 All	1	One Line	

367	Large Currency Rounding			
	0 No	2	Up to 1000	For SM300 only
	1 Up to 100			

368	SM500 Printer Type (V2 Only)			
	0 New Printer	1	Old Printer	

369	DHCP Status			
	0 Disable	1	Enable	Not Used.

370	Image Express Print			
	0 Disable	1	Enable	For image 0 and 180 degree only

371	Store Code	
	Enter range from 0 to 99999	For ID.

372	Ethernet IC Reset			
	0 Disable	1	Enable	

373	Print Last ACC Item TTL Multi BARCD			
	0 Disable	1	Enable	For ID.

374	**Max No Of Log Files Saved**	
	Enter range from 0 to 9999	

375	**Reduce Prespread For Ppk Mode**			
	0	No	1	Yes

376	**Wireless Bridge Type**			
	0	Old	1	New

377	**Sm500 Printer Width (V2 Model Only)**			
	0	72mm	1	80mm

378	**Max No Of Error Log Files Saved**	
	Enter range from 0 to 9999	

400	Auto Power-Off Function				√
	0	Inhibit	3	30 Minutes	
	1	3 Minutes	4	1 Hour	
	2	10 Minutes	5	3 Hours	

401	RTS/CTS Handshaking of RS-232C				√
	0	On	1	Off	

402	Reset Receipt consecutive Number after Reset Report				√
	0	No	1	Yes	

403	Vender Number Display in Registration Mode				√
	0	Allow	1	Inhibit	

404	Number of Vender Keys				√
	0	4 Vender Keys	2	6 Vender Keys	
	1	5 Vender Keys	3	7 Vender Keys	

405	Priority of Shop Name and Special Message on Receipt				√
	0	Shop Name Priority	1	Special Message Priority	

406	Centering of shop name on Receipt				√
	0	Allow	1	Inhibit	

407	Centering of special Message on Receipt				√
	0	Allow	1	Inhibit	

408	One or Two Touch for Receipt Printing in AMT/TEND				√
	0	One Touch	1	Two Touch	

409	PLU Number Printing on Receipt				√
	0	Inhibit	1	Allow	

410	Sale Item Entry Method				√
	0	Total	1	Item	

411	Default Vender Transaction by Print Key				√
	0	Allow	1	Inhibit	

412	Print Checking Line				√
	0	Print	1	No Print	

413	Source of Used by Date				√
	0	Current Date	1	Packed Date	

414	In-Store Barcode for Barcode Scanner Enter				√
	0	F1F2 CCCCCC TTTT CD	5	F1F2 CCCCC XCD TTTT CD	#1: F1F2 - 20~29
	1	F1F2 CCCCC TTTTT CD	6	F1F2 CCCC XCD TTTTT CD	#2: CC ~ CCCCCC - Item code.
	2	F1F2 CCCC TTTTTT CD	7	F1F2 CCCCC PCD TTTT CD	#3: TTTT ~ TTTTTTTT Total Price
	3	F1F2 CCC TTTTTTT CD	8	F1F2 CCCCC 0 TTTT CD	
	4	F1F2 CC TTTTTTTT CD			

415	Non-PLU Item Enter by Barcode Scanner			√
	0 Allow	1	Inhibit	

416	Barcode Scanner			√
	0 Allow	1	Inhibit	

417	Centering of Commodity Name on Label			√
	0 Allow	1	Inhibit	

418	Weight Data Synchronization Function			√
	0 Allow	2	Enforce	
	1 Inhibit			

419	Open Cash Drawer when Issue Label			√
	0 Allow	1	Inhibit	

420	Print Grand Total on Sales Report			√
	0 Allow	1	Inhibit	

421	Constitution of Report			√
	0 Receipt Data	2	Receipt Data & Label Data	
	1 Label Data			

422	Currency Symbol for Total Amount on Receipt			√
	0 No Print	2	Suffixation	
	1 Prefixion			

423	Print Total Number of Pieces and Total Weight on Receipt			√
	0 Total Number of Pieces	2	Total Weight	
	1 No Print	3	Both	

424	Total Barcode for Total Price in 2nd Currency			√
	0 Allow	1	Inhibit	For FR only.

425	Second Currency as Reference Price			√
	0 No	2	For Label	
	1 For Receipt	3	For Receipt and Label	

426	Print Tare Weight when Unit Price is 0			√
	0 Allow	1	Inhibit	

427	Eliminate Cash Line on Receipt when No change Operation			√
	0 Allow	1	Inhibit	

428	PRINT Tax List on Receipt			√
	0 Allow	1	Inhibit	Effective when SPEC603 = 1

429	Non-Weigh PLU Unit Price Display			√
	0 Total Price Column	1	Unit Price Column	

430	Items on PLU / Main Group / Dept / Tax Report			√
	0 Registered Items	1	All Items	

431	Eliminate Vender Data on Sales Report			√
	0 Allow	1	Inhibit	

432	Font Size for Commodity Name on Receipt			
	0 Standard Font Size 1 Larger Font Size	2	Largest Font Size	Not used.

433	Condition of Additional Price Rounding for Total Price			√
	0 Cash Payment Only	1	Always	

434	Item Barcode Type			√
	0 EAN Type 1 ITF Type	2	User Programmable	

435	Total Barcode Type			√
	0 EAN Type	1	ITF Type	

436	In-Store Barcode Type for Barcode Scanner Enter			√
	0 EAN Type	1	ITF Type	

437	Print Rounding on Receipt			√
	0 Allow	1	Inhibit	

438	Print Sub-Total on Receipt			√
	0 Allow	1	Inhibit	

439	Pulse width for Opening Cash Drawer			√
	0 20ms (Default Value) 1 50ms 2 100ms	3 4 5	200ms 300ms 400ms	

440	R Mode Password Function			√
	0 Inhibit 1 Password R Key	2	Power On & Password R Key	

441	Set / Reset Auto PLU Call Function Key Enable			√
	0 Allow	1	Inhibit	

442	Change Main Group Code for Auto Plu Call Function Key Enable			√
	0 Allow	1	Inhibit	

443	Prefix Fixed Code to PLU Code for Auto PLU Calling			√
	0 No 1 1 Digit	2 3	2 Digits 3 Digits	Effective when Spec39 = 1, Spec40 = 0

444	Decimal Point Position for Second Currency			√
	0 None 1 0.0	2 3	0.00 0.000	

445	Unit Price Change for PLU after Label Printing			√
	0 Inhibit	1	Allow	

446	Print Tare Weight on Receipt			√
	0 Allow	1	Inhibit	

447	Place Change for PLU after Label Printing			√
	0 Inhibit	1	Allow	For KE.

448	Sell Date Change for PLU after Label Printing			√
	0 Inhibit	1	Allow	For KE.

449	Trace Auto Clear			√
	0 Inhibit	1	Allow	For KE.

450	Trace per PLU			√
	0 Inhibit	1	Allow	For KE.

451	Trace Auto Update			√
	0 Inhibit	1	Allow	For KE.

452	Trace Confirm			√
	0 Inhibit	1	Allow	For KE.

453	Trace C/D Check			√
	0 Inhibit	1	Allow	

454	Forced Tare when Tare Value in PLU is 9999			√
	0 Inhibit	1	Allow	For CA.

455	Printing of Servings Fact			√
	0 SS Top & SC Bottom	2	SS Print Only	For CA only.
	1 SS Bottom & SC Top	3	SC Print only	

456	Special 'FOR' Operation			√
	0 Inhibit	1	Allow	For U1.

457	CN Weight Trace Function			√
	0 Inhibit	1	Allow	For CN.

458	CN Weight Quota Function			√
	0 Inhibit	1	Allow	For CN.

459	Symbol Format for Date Print			√
	0 Dash	2	Null	
	1 Period			

460	CN Weight Trace Password			√
	0 Inhibit	1	Allow	For CN.

461	Unit and Currency Symbol for Each Line in Receipt			
	0 Inhibit	1	Allow	For U1. Not Used.

462	1000 Separator for Total Line Print on Receipt			√
	0 Inhibit	1 Allow		For IN.

463	Print SHAMSI Date			√
	0 Inhibit	1 Allow		For IN only.

464	Password for Unit Price and Price Function Key			√
	0 Inhibit	1 Allow		

465	Default Supervisor ID is 1			√
	0 Inhibit	1 Allow		For KE. Effective when Spec464 = 1.

466	Enlarge Line Spacing for G3 Font on Item Label			√
	0 Inhibit	1 Allow		For CN only.

467	India Code128			√
	0 Inhibit	1 Allow		For ID.

468	Unit Price Change Update to PLU			√
	0 Inhibit	1 Allow		For KE.

469	Daily Marking Function			√
	0 Inhibit 1 Allow (A – G)	2 Allow (1 – 7)		

470	Print Traceability Title			√
	0 Allow	1 Inhibit		For KE.

471	Print Unit Price and Total Price on Label when Price is 0			√
	0 Allow	1 Inhibit		

472	Number of Digits for Quantity Multiplication			
	0 2 Digits	1 3 Digits		Not used

473	Pack Date Change for PLU after Label Printing			√
	0 Inhibit	1 Allow		For KE.

474	Item Barcode on Item Label for Total Price in 2nd Currency			√
	0 Inhibit	1 Allow		For FR only.

475	Stock Operation Function Key Enable			√
	0 Inhibit	1 Allow		

476	Display Date and Time in Scroll Message			√
	0 Inhibit	1 Allow		

477	Print Refund Weight Check List			√
	0 Inhibit	1 Allow		

478	Credit Card Payment Function Key			√
	0 Inhibit	1	Allow	

479	Auto Send Remote UDP Package			√
	0 Inhibit	1	Allow	

480	Reset Partial MG Daily Report			√
	0 Inhibit	1	Allow	

481	MG Start No. of Reset Partial MG Daily Report	√
	Enter value from range 0 to 999	

482	MG End No. of Reset Partial MG Daily Report	√
	Enter value from range 0 to 999	

483	Total Label Transaction Record			√
	0 No	1	Yes	

484	Forced Traceability Function			√
	0 No	1	Yes	

485	Change from Receipt Mode to Label Mode while Data in Vender Memory			√
	0 Allow	1	Inhibit	

486	Change Function			√
	0 Allow	1	Inhibit	

487	Reason Code Function			√
	0 No	1	Yes	For KE.

488	S Mode Protection			√
	0 No	1	Yes	For KE.

489	Identification Digit for Flexi-Barcode			√
	0 No	1	Yes	For KE.

490	Decimal Point Position for Receive and Stocktaking(Package)			√
	0 None	2	0.00	
	1 0.0	3	0.000	

491	Data File Synchronization			√
	0 Disable	1	Enable	

492	Call PLU from Server			√
	0 Disable	1	Enable	

493	Membership Card Type	√
	Enter value range from 0 to 9	

494	Priority of Membership Price and Discount in PLU			√
	0 Membership Price Priority	1	Discount Priority	Effective when Spec493 > 0.

495	Call PLU when Server is Offline				
	0	Enable	1	Disable	Effective when Spec355 = 1. Not Used.

496	Forced Feed Paper after Open Thermal Head				√
	0	No	1	Yes	

497	Print Australia Nutrition with Special Message or Ingredient in PLU				√
	0	No	1	Yes	For AR only.

498	Extra Nutrition Label in Prepack Mode				√
	0	Enable	1	Disable	

499	Print Report while Data in Vender Memory				√
	0	Allow	1	Inhibit	

500	Wait for 'ACK' when record size is larger than 1460 Bytes				
	0	Allow	1	Inhibit	For AR. Not used。

501	Korea Traceability Set Function Key Enable				√
	0	Inhibit	1	Allow	For KE only.

502	Continue Adding and Voiding Last Receipt Function Key Enable				√
	0	Inhibit	1	Allow	For SN.

503	Cheque Payment is Larger than Total Amount				√
	0	Inhibit	2	Allow without Change	
	1	Allow with Change			

504	Voucher Payment is Larger than Total Amount				√
	0	Inhibit	2	Allow without Change	
	1	Allow with Change			

505	Credit Card Payment is Larger than Total Amount				√
	0	Inhibit	2	Allow without Change	
	1	Allow with Change			

506	Width of Stacked Symbol in Segments for RSS Barcode				√
	0	2	3	8	Effective when SPEC310 = 1.
	1	4			
	2	6			

507	Move Back Correction for Stock Operation				√
	0	Inhibit	1	Allow	

508	Barcode Data for Scanner Enter				√
	0	PLU	1	Trace Ref Code without AI	
	2	PLU & Traceability			

509	Flexi-Barcode No. for Total Barcode	√
	Enter value from range 0 to 9	

510	Weight Limit Function Key Enable			√
	0 Inhibit	1	Allow	

511	Text Title			√
	0 Inhibit	1	Allow	

512	Refund Receipt Title			√
	0 No Print	1	Print	

513	Payout Function Key			√
	0 Inhibit	1	Allow	

514	Switching Function Interval			√
	0 Inhibit	2	3 Sec	
	1 1 Sec	3	5 Sec	

515	Delete Stock Operation Record when Clear Key			√
	0 Allow	1	Inhibit	

516	Traceability Reference Code Display When Call PLU			√
	0 Inhibit	2	2 Sec	For KE.
	1 1 Sec	3	3 Sec	

517	Printing Position Offset for Receipt			√
	0 0mm (Standard)	5	- 1mm	
	1 1mm	6	- 2mm	
	2 2mm	7	- 3mm	
	3 3mm	8	- 4mm	
	4 4mm			

518	Quantity Entry Type for Average Price and Weight Label Function			√
	0 Quantity	1	Percentage	

519	Continue transaction when real time buffer is full			√
	0 Allow	1	Inhibit	

520	Floating Function			√
	0 Inhibit	2	Client	
	1 Server			

521	China vegetable traceability			√
	0 Inhibit	1	Allow	

522	Recalculate Label and Gap Value by REZERO + FEED Key			√
	0 Allow	1	Inhibit	

523	Justify Align of Commodity Name on Label			√
	0 Inhibit	1	Allow	

524	User Programmable Report Key			√
	0 Inhibit	1	Allow	

525	Type of Quantity Symbol Re-calculation Item in Report			√
	0	Non-weigh Item	1 Weigh Item	

526	Print NIF on Receipt			√
	0	Inhibit	1 Allow	For PG

527	Receipt Fixed Message			√
	0	No Print	2 2 Lines	For SN
	1	1 Line	3 3 Lines	

528	Label Print Orientation			√
	0	From Bottom	1 From Top	

529	The Printed Quality of 2D Barcode			√
	0	Mid	2 High	
	1	High-Mid		

530	Print 2D Barcode on Receipt and Total Label			√
	0	No	2 GS1 QR Code	For total multi barcode 2 on total label.
	1	PDF417	3 GS1 DataMatrix	

531	RSS and 2D Barcode Human Readable Interpretation Print			√
	0	All	2 No Print	# Effective when SPEC530 = 0.
	1	GTIN only #		

532	FTP Client Auto Connection Interval (Minute)	√
	Enter a value between 0 to 9999	For Client scale only.

533	FTP Client Data Connection Mode			√
	0	Port	1 PASV	For Client scale only.

2.3 Password Setting

2.3.1 Procedures of Password Setting

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	Z1.0	RESET	SALES	DAILY	Z mode. Lamp Z turns on.
[MODE]		PWD X	XXXX	SET	Display password for X mode . XXXX: former password 0: Not set (1~4 bits are enable)Lamp X flicker.
[1][2][3][4] [*]		PWD X PWD S	1234 XXXX	SET SET	Set password for X mode as 1234. Press [*] to save password for X mode. Lamp S flicker.
[*]		PWD Z	XXXX	SET	Display password for Z mode. Lamp Z flicker.
[3][3] [C]		PWD Z PWD Z	33 0	SET SET	Clear the password for Z mode.
[*]		PWD P	XXXX	SET	Display password for PWD mode. Lamp R X S Z flicker.
[1][1][1][1]		PWD P	1111	SET	Set password for PWD mode as 1111. Lamp R X S Z flicker.
[*]	0.000	0.000	0.00	0.00	Return R mode after password setting.

2.3.2 Password Using

{Hypothesis: PWD X: 1111; PWD S: No Set; PWD P: 1234}

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	0.000	0.000	0.00	0.00	Weight mode. Lamp R turns on.
[MODE][MODE] (within 3 seconds)		ENTER	PWD X		Need X mode password. Lamp X turns on.
[1][2][3][4] [*]		ENTER ENTER	PWD X PWD X	****	Incorrect password. Retry.
[1][1][1][1] [*]	X1.0	ENTER READ	PWD X SALES	**** DAILY	Correct password. Enters X mode.
[MODE]	S1	→	PLU	FILE	Enters S mode. Lamp S turns on.
[MODE]		ENTER	PWD Z		Need Z mode password. Lamp Z turns on.
[3][3] [*]	Z1.0	ENTER RESET	PWD Z SALES	** DAILY	Correct password. Enters Z mode.
[MODE]		ENTER	PWD P		Need PWD mode password.
[1][2][3][4] [*]		ENTER PWD X	PWD P 1111	**** SET	Correct password. Enters PWD mode.
[MODE]	0.000	0.000	0.00	0.00	Back to Weight mode. Lamp R turns on.

2.4 Clear Files

This function is used to clear files in Memory.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	Z1.0	RESET	SALES	DAILY	Z mode. Lamp Z turns on.
[Rezero]+[2][3][0]		CLEAR	PLU	FILE	PLU file.
[≍]		CLEAR	VENDER	DATA	Vender transaction data.
[≍]		CLEAR	REPORT	FILES	Report files.
[≍]		CLEAR	MEMORY	DATA	All files in memory.
[*]		CLEAR	MEMORY	Y-C N-T	[C] to clear file data, [T] to quit.
[C] or [T]	Z1.0	RESET	SALES	DAILY	Return to Z mode.

3. PROGRAM MODE

3.1 Programmable Files

In Programming Mode, there are two ways to select the Programming File by using different keys such as:

- Enter the Number key.
- Press **[≪]** key or **[≫]** key to select the Data File.

The files listed below can be programmed in PROGRAM Mode **(S Mode)**.

Key To Press	Data files	Key To Press	Data files
[1]	PLU Programming	**[2] [0]**	Memory Status
[2]	Department Programming	**[2] [1]**	I/F Test
[3]	Main Group Programming	**[2] [2]**	User Report Line Programming
[4]	Key Assignment	**[2] [3]**	User Report Data Programming
[5]	Shop Name Programming	**[2] [4]**	User Report Sequence Programming
[6]	Advertisement Programming	**[2] [6]**	APC MG Code
[7]	Vender Programming	**[2] [9]**	Nutrition Programming
[8]	Date and Time Programming	**[3] [0]**	Temperature Programming
[9]	Special Message Programming	**[3] [1]**	Multi Barcode Programming
[1] [0]	Ingredient Programming	**[3] [2]**	2D Barcode Text Programming
[1] [1]	Text Programming	**[3] [4]**	Country Programming
[1] [2]	Free Format Programming	**[3] [5]**	Cutting Hall Programming
[1] [3]	Scrolling Message Programming	**[3] [6]**	Slaughter House Programming
[1] [4]	Scroll Sequence Programming	**[3] [7]**	Traceability Programming
[1] [5]	Place Programming	**[4] [6]**	Flexi Barcode Programming
[1] [6]	Machine Setting	**[4] [7]**	Kind Programming
[1] [7]	Logo Programming	**[4] [8]**	Category Programming
[1] [8]	Tax Programming	**[4] [9]**	Breed Programming
[1] [9]	Program or Skip Item Data	**[5] [1]**	Stock Function Key Programming

3.2 General Explanation

DEPARTMENT, MAIN GROUP and **PLU** files are connected as shown below. By the following linking method, more detail and concrete information on sales transaction or pre-pack data can be got by printing various reports.

- **DEPARTMENT FILE**

  DEPARTMENT file is the largest category whose items are like MEAT, FISH, VEGETABLE or DELICATESSEN etc.

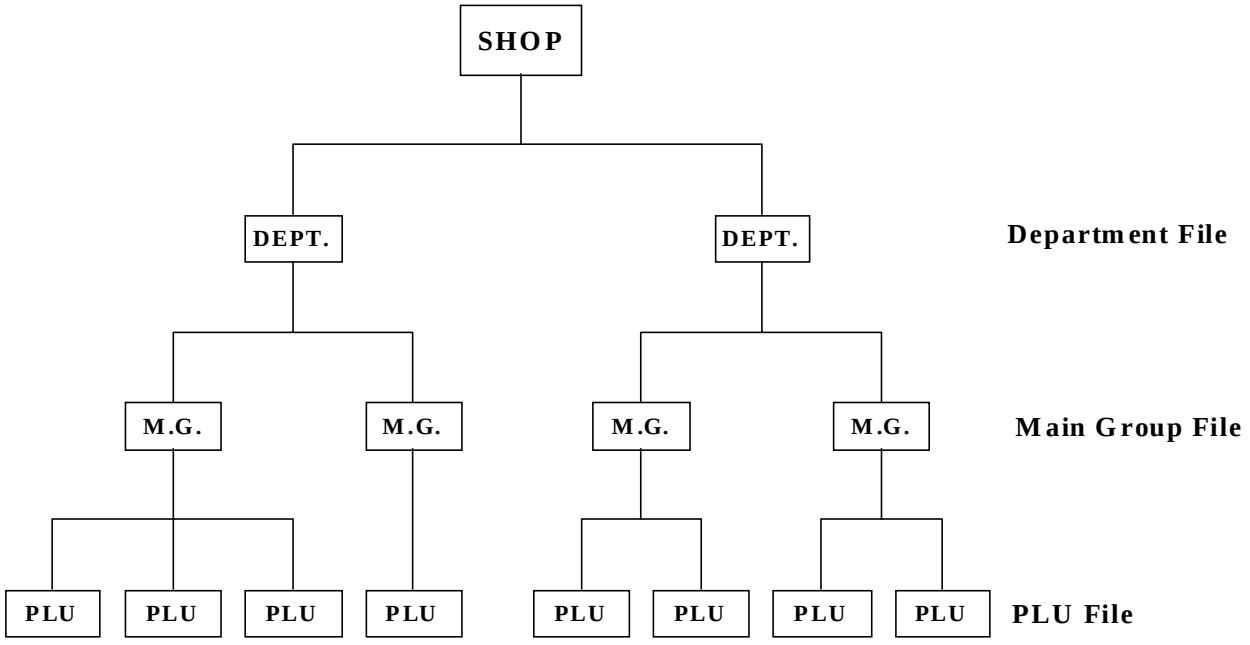
- **MAIN GROUP FILE**

  MAIN GROUP file is the middle category including items such as BEEF, PORK, CHICKEN, etc. You can link a Main Group to a Department in the Main Group file. Tax Number can be assigned to a Main Group. The assigned Tax Number will apply for all the PLU's assigned to the Main Group.

- **PLU FILE**

  PLU File is the smallest category including items such as BEEF SLICE, BEEF SHOULDER and BEEF SIRLOIN. You can link the PLU to a Main Group in the PLU programming file.

Connection of DEPARTMENT, MAIN GROUP and PLU:



3.3 Department File

Department file is used for categorizing Main Groups. Department Number between 1 ~ 999999 are available for programming. The Main Groups that are not linked to any Department will be assigned to Department Number 97 automatically. Maximum 16 characters per file are available and each with 1 line.

3.3.1 Program Department File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[2] or [X]、[≍]	S2	→	DEPT	FILE	Select Department Programming.
[*]	S2.0	DEPT	0	NO SET	$ /kg window displays DEPT. code.
[1]	S2.0	DEPT	1	NO SET	Enter department No.(Ex. [1])
[*]	S2.1	DEPT		NAME 0	Enter department programming, set the department name.
[M][E][A][T]	S2.1	DEPT		NAME 4	Enter DEPT. name(use letter keys)(Ex. "MEAT" for Dept. No 1) The methods of ASII letter input refer to *3.37 ASSII Character Input Method*.
[PLU]	S2	→	DEPT	FILE	Store the department file, back to S mode.

Note1: Number after "NAME" in Total display shows the position of the cursor.

Note2: The DEPT. No.1 to No.999999 are available for programming.

(No.97 is default No. for PLU programming, and the PLUs which are not linked to any DEPT No. are assigned to No.97)

(Non-PLU files (Weighing items) are assigned to DEPT code No.98)

(Non-PLU files (Non-weighing items) are assigned to DEPT code No.99)

Note3: The Department names programmed are not printed on the label/receipt but are for reporting.

3.3.2 Delete Department File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[2] or [≷]	S2	→	DEPT	FILE	Select Department Programming.
[*]	S2.0	DEPT	0	NO SET	$ /kg window indicates DEPT. code.
[1]	S2.0	DEPT	1	NO SET	Enter department No.(Ex. [1]) Delete Dept. No.1 for "MEAT".
[—]	S2.0	DEPT	DEL ?	Y-C N-T	[C] for Yes, [T] for No.
[C]	S2	→	DEPT	FILE	Delete the Dept. file 1, back to S mode.

Note1: When the MAIN GROUP FILE exists under the Department File, the Department Number cannot be deleted. In addition, the Department Number 97, 98 and 99 cannot be deleted.

3.4 Main Group File

Main Group is the middle category and can be assigned to a Department. The Main Group file is used for categorizing the PLU's. Main Group Number of 1 ~ 999999 are available for programming. PLU's that are not linked to any Main Group Number will be assigned to the Main Group Number 997 automatically. TAX is assigned to every Main Group. The assigned TAX will apply for all the PLU's assigned to the Main Group. Maximum 16 characters per file are available and each with 1 line.

3.4.1 Program Main Group File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[3] or [≯]	S3	→	MGROUP	FILE	Select Main Group Programming.
[*]	S3.0	MG	0	NO SET	$ /kg window indicates Main Group code.
[1][1][1]	S3.0	MG	111	NO SET	Select Main Group No. (Ex. [1][1][1])
[*]	S3.1	MG	97 (default)	DEPT NO	Enter Main Group programming, Set the Department number.
[1] [*]	S3.1 S3.2	MG MG	1	DEPT NO NAME 0	Link Main Group 111 to Department 1.
[B][E][E][F] [*]	S3.2 S3.3	MG MG	BEEF 0	NAME 4 TAX NO	Name of the Main Group 111 is "BEEF". Set the Tax number.
[1]	S3.3	MG	1	TAX NO	Tax of Main Group 111 is tax number 1.
[PLU]	S3	→	MGROUP	FILE	Store the Main Group file, back to S mode. If you want to exit without saving data, press [◇] key and then follow by [C] key

Note1: For tax rate programming, refer to *3.20 Tax File* in S Mode. if not necessary to link the Tax Number, press **[*]** key to enter next selection. This procedure will skip if **SPEC 603** is set to "**NO TAX**".

Note2: Number after "NAME" in Total display shows the position of the cursor.

Note3: The Main Group No.1 to No.999999 are available for PLU programming.

(No.997 is default No. for PLU programming, and the PLUs which are not linked to any Main Group No. are assigned to No.997)

(Non-PLU files (Weighing items) are assigned to Main Group code No.998)

(Non-PLU files (Non-weighing items) are assigned to Main Group code No.999)

Note4: The Main Group names programmed are not printed on the label/receipt but are for reporting.

Note5: Each Main Group No. must be linked to the exiting Dept. No.(Refer to *3.3 Department File*).

3.4.2 Delete Main Group File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[3] or [≷] [*]	S3 S3.0	→ MG	MGROUP 0	FILE NO SET	Select Main Group Programming and Enter it.
[1][1][1]	S3.0	MG	111	NO SET	Enter Main Group No. (Ex. [1][1][1])
[—]	S3.0	MG	DEL ?	Y-C N-T	[C] for Yes, [T] for No.
[C]	S3	→	MGROUP	FILE	Delete M.G. file 111, back to S mode.

Note1: When the PLU FILE exists under the Main Group File, the Main Group Number cannot be deleted. In addition, the Main Group Number 997, 998 and 999 cannot be deleted.

3.5 Program / Skip Item Data

Unnecessary PLU parameters will be skipped automatically due to auto-skip function, it is possible to set only necessary PLU parameter in PLU programming procedure "Program PLU File". The following parameters are available for Program/ Skip function

No.	Display	Parameter	Symbol
1	[LABFR1]	1. Label format 1	LABFR1
2	[LABFR2]	2. Label format 2	LABFR2
3	[BACODE]	3. Barcode Selection	BACODE
4	[FLAG]	4. Barcode Flag data	FLAG
5	[ITCODE]	5. Barcode Item Code	ITCODE
6	[MGCODE]	6. Main Group Code	MGCODE
7	[SELLDT]	7. Sell by Date	SELLDT
8	[SELLTM]	8. Sell by Time	SELLTM
9	[USEDDT]	9. Used by Date	USEDDT
10	[PACKDT]	10. Packed Date	PACKDT
11	[PACKTM]	11. Packed Time	PACKTM
12	[COST]	12. Cost	COST
13	[TARE]	13. Tare	TARE
14	[QTY]	14. Quantity	QTY
15	[Q.UNIT]	15. Quantity Unit	QUNIT
16	[DISCNT]	16. Discount Status	DISCNT
17	[SCH DT]	17. Discount Schedule date	SCHDT
18	[SCH TM]	18. Discount Schedule time	SCHTM
19	[MARKDN]	19. Mark Down Status	MARKDN
20	[1STLMT]	20. 1st target for discount 1	FSTLMT
21	[2NDLMT]	21. 2nd target for discount 2	SNDLMT
22	[SMGNUM]	22. Special Message #	SMGNUM
23	[INGNUM]	23. Ingredients #	INGNUM
24	[COMNAM]	24. Commodity Name	COMNAM
25	[PLUSCR]	25. PLU Scroll (U1 only)	PLUSCR
26	[PLUTEX]	26. PLU Linked Text Field	PLUTEX
27	[PLCNUM]	27. Place of Production	PLCNUM
28	[IMAGE]	28. Image	IMAGE
29	[BONUS]	29. Bonus	BONUS
30	[NUTRI]	30. Nutrition	NUTRI
31	[ITFSEL]	31. ITF Selection	ITFSEL
32	[REFPLU]	32. Reference PLU No.	REFPLU
33	[SECPLU]	33. Security PLU	SECPLU
34	[COUPLU]	34. Coupled PLU	COUPLU
35	[DAY WK]	35. Discount day of the week	DAYWK

No.	Display	Parameter	Symbol
36	[ADD-ON]	36. EAN 5 Digit ADD-ON	ADDON
37	[TAX]	37. TAX No.	TAX
38	[PRICE2]	38. 2nd Price	PRICE2
39	[% TARE]	39. Proportional Tare	PROTARE
40	[CUSDIS]	40. Customer Discount	CUSDIS
41	[RESDIS]	41. Restaurant Discount	RESDIS
42	[STADIS]	42. Staff Discount	STADIS
43	[TRACE]	43. Traceability Discount	TRACE
44	[TEMP]	44. Storage Temperature	TEMP
45	[PACK.I]	45. Pack. Indicator	PACKI
46	[M1BARC]	46. Multi Barcode 1	M1BARC
47	[M2BARC]	47. Multi Barcode 2	M2BARC
48	[TM1BAR]	48. Total Multi Barcode 1	TM1BAR
49	[TM2BAR]	49. Total Multi Barcode 2	TM2BAR
50	[U.PRIC]	50. Unit Price Selection	UPRIC
51	[ADVER]	51. Advertisement #	ADVER

Program/Skip Item Data

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[1][9] or [▯]	S19	→	PLU	ITEM	Select PLU item Selection Mode and enter
[*]	S19.1	ITEM	LABFR1	PROGRAM	Enter Program or Skip parameter selection mode.
[*][*][*][*][*]	S19.1	ITEM	MGCODE	SKIP	Select parameter of Main Group.
[X]	S19.1	ITEM	MGCODE	PROGRAM	Select PROGRAM for the parameter of Main Group.
[PLU]	S19	→	PLU	ITEM	After finish setting, save it. Back to S mode.

Note1: Press [*] key to next parameter or [–] key to previous parameter and press [X] key to select PROGRAM or SKIP for each parameter, if necessary.

Note2: If you want to exit without saving, press [◇] key follow by [C] key.

3.6 PLU Programming

The following items can be programmed in PLU PROGRAMMING mode. If the item doesn't appear on the PLU programming, check whether the parameter is set to ENABLE in Program / Skip Item Data.

PLU file for weighing item and non-weighing item listed below can be programmed according to the following order.

Weighing Item

Step	PLU File (weighing Item)	Remarks
P1.0	PLU No.	
P1.1	Unit Price (6 digits)	
P1.2	Label Format for the 1st label	*Refer to Label Format List.*
P1.3	Label Format for the 2nd label	*Free format No.1~99 only.*
P1.4	Commodity Name Font Size	
P1.4	Commodity Name	
P1.5	Selection of ITF Barcode Format	
P1.6	Bar Code Selection	
P1.7	Flag data	** Digits of Flag and Item data can be selected in the barcode type selection in P1.6.*
P1.8	Item Code No.	
P1.9	Item Code No. (Lower 4 digits)	*Only when Item Code is more than 6 digits.*
P1.10	Right Side Data of Item Barcode	*Only when Spec02 set to 3.*
P1.12	Main Group No.	
P1.13	Select whether to print Sell by date	** If No Print is selected, Sell by Date in P1.14 is skipped.*
P1.14	Sell by date (Days after the current date)	
P1.15	Select whether to print Sell by time	** If No Print is selected, Key in selection in P1.16 and Sell by time in P1.17 are skipped.*
P1.16	Select key-in data or present time	** If P1.16 select TIME PRESENT, Key in selection in P1.17 is skipped.*
P1.17	Sell by Time (If Key-In is selected)	
P1.18	Select whether to print Used by date	** If No Print is selected, Used by Date in P1.19 is skipped.*
P1.19	Used by date (days after Packed date)	
P1.20	Select whether to print Packed date	** If No Print is selected, Packed Date in P1.21 is skipped.*
P1.21	Packed Date (days after actual packed date)	
P1.22	Select whether to print Packed time	** If No Print is selected, Key-in selection in P1.23 and Packed time in P1.24 are skipped.*
P1.23	Select to print Key-In data or actual time	** If P1.23 select TIME PRESENT, Key in selection in P1.24 is skipped.*
P1.24	Packed Time (if key-In is selected)	
P1.25	Cost price	
P1.26	PLU Tare	** Depends on SPEC 647 SETTING.*
P1.29	Type of Volume Discount	** Depends on SPEC 100 SETTING.*
P1.30	The 1st target of volume discount	** If No Volume discount is selected, the parameters in P1.30 ~ P1.38 are skipped.*
P1.31	The discount value for the 1st target	
P1.32	The 2nd target of volume discount	
P1.33	The discount value for the 2nd target	
P1.34	Print type of Discount price (Mark Down)	**Entering by Number keys (0~3)*
P1.35	Schedule of Volume Discount (The start date)	
P1.36	Schedule of Volume Discount (The start time)	
P1.37	Schedule of Volume Discount (The end date)	

Step	PLU File (weighing Item)	Remarks
P1.38	Schedule of Volume Discount (The end time)	
P1.39	Selection of Discount Day of The Week.	
P1.40	Special message No. (Select No. from S/message file)	
P1.41	Ingredient No. (Select No. from Ingredient file)	
P1.42	Advertisement No. (Select No. from Advertisement file)	
P1.44	Place of production (Select No. from Place file)	
P1.45	2nd Price	
P1.46	TAX Number (Select Number from TAX File)	**Depend on SPEC 603 SETTING.*
P1.48	Proportional Tare	**Depend on SPEC 687 SETTING.*
P1.49	Unit price override per PLU	**Depend on SPEC 178 SETTING.*
P1.50	Image1 No.	
P1.51	Image2 No.	
P1.52	Image3 No.	
P1.53	Image4 No.	
P1.54	Image5 No.	
P1.55	Image6 No.	
P1.56	Image7 No.	
P1.57	Image8 No.	
P1.58	Image9 No.	
P1.59	Image10 No.	
P1.60	Customer Discount	
P1.61	Temperature No. (Select No. from Temperature file)	
P1.63	Couple PLU No.	
P1.64	Traceability	**Depend on SPEC 258 SETTING.*
P1.65	Traceability Link	**Depend on SPEC 258 SETTING.*
P1.67	Unit price change per PLU	**Depend on SPEC 244 SETTING.*
P1.68	Packaging Indicator	
P1.69	PLU UCC/EAN Prefix	
P1.70	PLU Serial Number	
P1.71	Multi-barcode 1	
P1.72	Multi-barcode 2	
P1.73	Total Multi-barcode 1	
P1.74	Total Multi-barcode 2	
P1.81	Select whether to print nutrition	
P1.82	Nutrition No. (Select No. from Nutrition file)	
P1.83	India Extended Item Code	**Depend on SPEC 467 SETTING.*
P1.84	India Barcode Head	**Depend on SPEC 467 SETTING.*
P1.85	Select Packed Date Source	
P1.86	Enter Production Date	

Non-Weighing Item

Step	PLU File (Non-weighing Item)	Remarks
P1.0	PLU No.	
P1.1	Unit Price (6 digits)	
P1.2	Label Format for the 1st label	*Refer to Label Format List.*
P1.3	Label Format for the 2nd label	*Free format No.1~99 only.*
P1.4	Commodity Name Font Size	
P1.4	Commodity Name	
P1.5	Selection of ITF Barcode Format	
P1.6	Bar Code Selection	
P1.7	Flag data	** Digits of Flag and Item data can be selected in the barcode type selection in P1.6.*
P1.8	Item Code No.	
P1.9	Item Code No. (Lower 4 digits)	*Only when Item Code is more than 6 digits.*
P1.10	Right Side Data of Item Barcode	*Only when Spec02 set to 3.*
P1.12	Main Group No.	
P1.13	Select whether to print Sell by date	** If No Print is selected, Sell by date in P1.14 is skipped.*
P1.14	Sell by date (Days after the current date)	
P1.15	Select whether to print Sell by time	** If No Print is selected, Key in selection in P1.16 and Sell by time in P1.17 are skipped.*
P1.16	Select key-in data or present time	** If P1.16 select TIME PRESENT, Key in selection in P1.17 is skipped.*
P1.17	Sell by Time (If Key-In is selected)	
P1.18	Select whether to print Used by date	** If No Print is selected, Used by Date in P1.19 is skipped.*
P1.19	Used by date (days after Packed date)	
P1.20	Select whether to print Packed date	** If No Print is selected, Packed Date in P1.21 is skipped.*
P1.21	Packed Date (days after actual packed date)	
P1.22	Select whether to print Packed time	** If No Print is selected, Key-in selection in P1.23 and Packed time in P1.24 are skipped.*
P1.23	Select to print Key-In data or actual time	** If P1.23 select TIME PRESENT, Key in selection in P1.24 is skipped.*
P1.24	Packed Time (if key-In is selected)	
P1.25	Cost price	
P1.27	Unit Symbol (PCS / FOR / kg / lb / g / oz / NO SYMBOL)	
P1.28	Quantity	
P1.29	Type of Volume Discount	** Depends on SPEC 100 SETTING.*
P1.30	The 1st target of volume discount	** If No Volume discount is selected, the parameters in P1.30 ~ P1.38 are skipped.*
P1.31	The discount value for the 1st target	
P1.32	The 2nd target of volume discount	
P1.33	The discount value for the 2nd target	
P1.34	Print type of Discount price (Mark Down)	**Entering by Number keys (0~3)*
P1.35	Schedule of Volume Discount (The start date)	
P1.36	Schedule of Volume Discount (The start time)	

Step	PLU File (Non-weighing Item)	Remarks
P1.37	Schedule of Volume Discount (The end date)	
P1.38	Schedule of Volume Discount (The end time)	
P1.39	Selection of Discount Day of The Week.	
P1.40	Special message No. (Select No. from S/message file)	
P1.41	Ingredient No. (Select No. from Ingredient file)	
P1.44	Place of production (Select No. from Place file)	
P1.42	Advertisement No. (Select No. from Advertisement file)	
P1.44	Place of production (Select No. from Place file)	
P1.45	2nd Price	
P1.46	TAX Number (Select Number from TAX File)	**Depend on SPEC 603 SETTING.*
P1.49	Unit price override per PLU	
P1.50	Image1 No.	
P1.51	Image2 No.	
P1.52	Image3 No.	
P1.53	Image4 No.	
P1.54	Image5 No.	
P1.55	Image6 No.	
P1.56	Image7 No.	
P1.57	Image8 No.	
P1.58	Image9 No.	
P1.59	Image10 No.	
P1.63	Couple PLU No.	
P1.64	Traceability	**Depend on SPEC 258 SETTING.*
P1.65	Traceability Link	**Depend on SPEC 258 SETTING.*
P1.67	Unit price change per PLU	**Depend on SPEC 244 SETTING.*
P1.68	Packaging Indicator	
P1.69	PLU UCC/EAN Prefix	
P1.70	PLU Serial Number	
P1.71	Multi-barcode 1	
P1.72	Multi-barcode 2	
P1.73	Total Multi-barcode 1	
P1.74	Total Multi-barcode 2	
P1.81	Select whether to print nutrition	
P1.82	Nutrition No. (Select No. from Nutrition file)	
P1.83	India Extended Item Code	**Depend on SPEC 467 SETTING.*
P1.84	India Barcode Head	**Depend on SPEC 467 SETTING.*
P1.85	Select Packed Date Source	
P1.86	Enter Production Date	

3.6.1 Program PLU File(weighing item)

PLU data(weighing item) is programmed by following procedure as below.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[*]	S1.0	PLU	0	NO SET	Enter PLU programming mode. $ /kg window displays PLU number.
[1][0][0]	S1.0	PLU	100	NO SET	Enter new PLU Number (Ex. 100) you want.
[*]	S1.1	PLU	0.00	PR-KG	Enter PLU programming. Enter unit price.(Ex.5.80 $ /kg)
[5][8][0][*]	S1.2	PLU	DFT	0 LAB FR1	Select Label format for 1st Label by press [<<] or [>>] key. (T1~T12,S,A,B,C,F1~F8 is available)
[<<] or [>>]	S1.2	PLU	T6	6 LAB FR1	Set the Label format (Ex.T6) by press [6] or[>>] key.
[*]	S1.3	PLU	NO	0 LAB FR2	Select Label format for 2nd Label by press [<<] or [>>]key. (F1~F99 only)
[<<] or [>>] [*]	S1.4	C01.01		S1 A 100	Enter commodity name.(Ex. “SLICE”)
[S][L][I][C][E] [*]	S1.4	C02.01		S1 A 100	Enter the 2nd line of commodity name.
[*]	S1.5	PLU	EAN	BARCODE	Select the type of BARCODE by press [X] or [>>].(EAN or ITF)
[*]	S1.6	PLU	DFLT	BARCODE	Select barcode format by press [<<] or [>>] key.(Ex.2f5c4i4wD)
[<<] or [>>] [*]	S1.7	PLU	20	FLAG	Set flag data.(Ex.29) The Default Flag Data can be set at **SPEC 3 ~ 6** and the Flag data consists of one or two digits, which depends on the selected Barcode type.
[2][9] [*]	S1.8	PLU	00000	IT CODE	Enter item code.(Ex.10010)
[1][0][0][1][0] [*]	S1.9	PLU	00000	EX CODE	No appended item code of PLU 100.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[*]	S1.12	PLU	997	MG NO	Set the Main Group number.(default MG 997) Enter Main Group No.(Ex.111) Link PLU 100 to Main Group 111.
[1][1][1] [*]	S1.13	PLU	NPRINT	SELL DT	Press [<<] or [>>] key to change whether print sell-by-date. (Ex. Print sell by date)
[<<] or [>>] [*]	S1.14	PLU	0	SELL DT	Set sell-by-date.(Ex.3 days) 3 digits can be set.(0~999)
[3] [*]	S1.15	PLU	NPRINT	SELL TM	Press [<<] or [>>] key to change whether print sell-by-time. (Ex. No print sell by time)
[*]	S1.18	PLU	NPRINT	USED DT	Press [<<] or [>>] key to change whether print used by date. (Ex. No print used by date)
Set used-by-date, used-by-time	…	…	…	…	Setting way of used-by-date, used-by-time are same as setting sell-by-date and sell-by-time.
[*]	S1.20	PLU	NPRINT	PACK DT	Press [<<] or [>>] key to change whether print packed date.
[<<] or [>>] [*]	S1.21	PLU	0	PACK DT	If necessarily, packed date can set the day after present date. (Ex. 1 day after present day)
[1][*]	S1.22	PLU	NPRINT	PACK TM	Press [<<] or [>>] key to change whether print packed time.
[<<] or [>>] [*]	S1.23	PLU	TIME	PRESENT	Press [<<] or [>>] key to change key-in time or present time.
[<<] or [>>] [*]	S1.24	PLU	0000	PACK TM	Set the packed time. (Ex. 18:00)
[1][8][0][0] [*]	S1.25	PLU	0.00	COST	
[*]	S1.26	PLU	0.000	TARE	Enter Preset Tare of PLU 10.(Ex.0.100kg)
[1][0][0] [*]	S1.29	PLU	NO	DISCONT	6 kinds discount type can be selected by press [<<] or [>>] key. (Ex. UNIT PRICE discount)
[<<] or [>>] [*]	S1.30	PLU	0.000	1ST LMT	Set 1st limit weight is 0.1kg.(Ex.0.100kg)

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[1][0][0] [*]	S1.31	PLU	0.00	1ST AMT	Set 1st amount of discount is $ 0.30.
[3][0] [*]	S1.32	PLU	99.999	2ND LMT	Set 2nd limit weight is 1.000kg.
[1][0][0][0] [*]	S1.33	PLU	0.00	2ND AMT	Set 2nd amount of discount is $ 0.50.
[5][0] [*]	S1.34	PLU	NO	MARK DOWN	Change selection by [<<] or [>>]: No mark down/Unit price mark down /Total price mark down/all mark down
[<<] or [>>] [*]	S1.35	PLU	000000	ST DATE	Set discount start day.(Ex.10-01-04, MM-DD-YY)
[1][0][0][1][0][4] [*]	S1.36	PLU	0000	ST TIME	Set discount start time.(Ex. 09:00, HH-MM)
[0][9][0][0] [*]	S1.37	PLU	000000	ED DATE	Set discount end date.(Ex.11-01-04)
[1][1][0][1][0][4] [*]	S1.38	PLU	0000	ED TIME	Set discount end time.(Ex. 09:00)
[0][9][0][0] [*]	S1.40	PLU	0	SMG NUM	Set special message file number.(Ex. Number 1) Special message file 1 is linked to this PLU.
[1][*]	S1.41	PLU	0	ING NUM	Set ingredients file number.(Ex. Number 1) Ingredients file 1 is linked to this PLU.
[PLU]	S1	→	PLU	ITEM	After finish setting, save it. Back to S mode.

Note1: Press [*] key to next parameter or [–] key to previous parameter.

Note2: The letter before "A" in Total Price display shows the letter font size of the commodity name, and the number after "A" in Total Price display shows the number of letters can be programmed for commodity name.

Note3: The 2 digits after "C" in Weight display shows the line of the commodity name, and the next 2 digits in Weight display shows the position of the cursor.

Note4: The PLU No.1 to No.999999 are available for PLU programming.

Note5: The programmed PLU commodity name are printed on the label or receipt.

Note6: Max.100 letters for commodity name per file are available.

Note7: Each PLU No. must be linked to the exiting Main Group No.(Refer to *3.4 Main Group File*).

3.6.2 Program PLU File(non-weighing item)

PLU data(non-weighing item) is programmed by following procedure as below.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[*]	S1.0	PLU	0	NO SET	Enter PLU programming mode. $ /kg window displays PLU number.
[2][0][0]	S1.0	PLU	200	NO SET	Enter new PLU Number (Ex. 200) you want.
[*]	S1.1	PLU	0.00	PR-KG	Enter PLU programming. Enter unit price.(Ex.5.80 $ /kg)
[<<] or [>>] [5][8][0]	S1.1	PLU	5.80	PR-PCS	Change Unit price of PLU 200 to non-weighing item.
[*]	S1.2	PLU	DFT	0 LAB FR1	Select Label format for 1st Label by press [<<] or [>>] key. (T1~T12,S,A,B,C,F1~F8 is available)
[<<] or [>>]	S1.2	PLU	T6	6 LAB FR1	Set the Label format (Ex.T6) by press [6] or[>>] key.
[*]	S1.3	PLU	NO	0 LAB FR2	Select Label format for 2nd Label by press [<<] or [>>]key. (F1~F99 only)
[<<] or [>>] [*]	S1.4	C01.01		S1 A 100	Enter commodity name.(Ex. "CAKE")
[C][A][K][E] [*]	S1.4	C02.01		S1 A 100	Enter the 2nd line of commodity name.
[*]	S1.5	PLU	EAN	BARCODE	Select the type of BARCODE by press [X] or [>>].(EAN or ITF)
[*]	S1.6	PLU	DFLT	BARCODE	Select barcode format by press [<<] or [>>] key.(Ex.2f5c4i4wD)
[<<] or [>>] [*]	S1.7	PLU	20	FLAG	Set flag data.(Ex.29) The Default Flag Data can be set at **SPEC 3 ~ 6** and the Flag data consists of one or two digits, which depends on the selected Barcode type.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[2][9] [*]	S1.8	PLU	00000	IT CODE	Enter item code.(Ex.20020)
[2][0][0][2][0] [*]	S1.9	PLU	00000	EX CODE	No appended item code of PLU 100.
[*]	S1.12	PLU	997	MG NO	Set the Main Group number.(default MG 997) Enter Main Group No.(Ex.222) Link PLU 200 to Main Group 222.
[2][2][2] [*]	S1.13	PLU	NPRINT	SELL DT	Press [<<] or [>>] key to change whether print sell-by-date. (Ex. Print sell by date)
[<<] or [>>] [*]	S1.14	PLU	0	SELL DT	Set sell-by-date.(Ex.3 days) 3 digits can be set.(0~999)
[3] [*]	S1.15	PLU	NPRINT	SELL TM	Press [<<] or [>>] key to change whether print sell-by-time. (Ex. No print sell by time)
[*]	S1.18	PLU	NPRINT	USED DT	Press [<<] or [>>] key to change whether print used by date.
Set used-by-date, used-by-time	…	…	…	…	Setting way of used-by-date, used-by-time are same as setting sell-by-date and sell-by-time.
[*]	S1.20	PLU	NPRINT	PACK DT	Press [<<] or [>>] key to change whether print packed date.
[<<] or [>>] [*]	S1.21	PLU	0	PACK DT	If necessarily, packed date can set the day after present date. (Ex. 1 day after present day)
[1][*]	S1.22	PLU	NPRINT	PACK TM	Press [<<] or [>>] key to change whether print packed time.
[<<] or [>>] [*]	S1.23	PLU	TIME	PRESENT	Press [<<] or [>>] key to change key-in time or present time.
[<<] or [>>] [*]	S1.24	PLU	0000	PACK TM	Set the packed time. (Ex. 18:00)
[1][8][0][0] [*]	S1.25	PLU	0.00	COST	
[*]	S1.27	PLU	PCS	USYMBOL	Press [<<] or [>>] to select unit symbol.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[<<] or [>>] [*]	S1.28	PLU	0	QTY	4 digits can be set.(0~9999). (Ex. 10 pcs/PLU)
[1][0] [*]	S1.29	PLU	NO	DISCONT	6 kinds discount type can be selected by press [<<] or [>>] key. (Ex. UNIT PRICE discount)
[<<] or [>>] [*]	S1.34	PLU	NO	MARK DOWN	Change selection by [<<] or [>>]: No mark down/Unit price mark down/Total price mark down/all mark down
[<<] or [>>] [*]	S1.35	PLU	000000	ST DATE	Set discount start day.(Ex.10-01-04, MM-DD-YY)
[1][0][0][1][0][4] [*]	S1.36	PLU	0000	ST TIME	Set discount start time.(Ex. 09:00, HH-MM)
[0][9][0][0] [*]	S1.37	PLU	000000	ED DATE	Set discount end date.(Ex.11-01-04)
[1][1][0][1][0][4] [*]	S1.38	PLU	0000	ED TIME	Set discount end time.(Ex. 09:00)
[0][9][0][0] [*]	S1.40	PLU	0	SMG NUM	Set special message file number.(Ex. Number 1) Special message file 1 is linked to this PLU.
[1][*]	S1.41	PLU	0	ING NUM	Set ingredients file number.(Ex. Number 1) Ingredients file 1 is linked to this PLU.
[PLU]	S1	→	PLU	ITEM	After finish setting, save it. Back to S mode.

Note1: Press [*] key to next parameter or [–] key to previous parameter.

Note2: The letter before "A" in Total Price display shows the letter font size of the commodity name, and the number after "A" in Total Price display shows the number of letters can be programmed for commodity name.

Note3: The 2 digits after "C" in Weight display shows the line of the commodity name, and the next 2 digits in Weight display shows the position of the cursor.

Note4: The PLU No.1 to No.999999 are available for PLU programming.

Note5: The programmed PLU commodity name are printed on the label or receipt.

Note6: Max.100 letters for commodity name per file are available.

Note7: Each PLU No. must be linked to the exiting Main Group No.(Refer to *3.4 Main Group File*).

3.6.3 PLU [COPY] Function

The programmed PLU data can be easily copied into a new PLU. The function is very useful to save time or avoid mistake for the similar PLU data programming, especially in case of long description of Ingredients.

Example: PLU No.124 is programmed with most data of the PLU No. 100 already in memory.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[*]	S1.0	PLU	0	NO SET	Enter PLU programming mode. $ /kg window displays PLU number.
[1][2][4]	S1.1	PLU	124	NO SET	Select PLU 124,enter PLU programming.
[X]	S1.1	PLU	0	COPY	Press [X] key to enter PLU copy function.
[1][0][0] [*]	S1.1	PLU	5.80	PR-KG	Copy PLU 100 data to PLU 124.
[4][8][0] [*]	S1.2	PLU	T6	6 LAB FR1	Unit price of PLU 124 is 4.80 $ /kg.
[*]	S1.3	PLU	NO	0 LAB FR2	The 1st Label format is T6.
[*]	S1.4	C01.01	SLICE	S1 A 95	Commodity Name of PLU 124 is “SLICE”.
Press [*] key 4 times	S1.8	PLU	10100	IT CODE	Item code of PLU 124 is 10124.
[1][0][1][2][4]	S1.8	PLU	10124	IT CODE	
[*]	S1.9	PLU	00000	EX CODE	
[PLU]	S1	→	PLU	FILE	Store the PLU 124 file, back to S mode.

3.6.4 Delete PLU File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[*]	S1.0	PLU	0	NO SET	Enter PLU programming mode. $ /kg window displays PLU number.
[1][2][4]	S1.0	PLU	124	NO SET	Select PLU 124.(Ex. Delete PLU No.124)
[—]	S1.0	PLU	DEL ?	Y-C N-T	Press [—] key to delete PLU 124. [C] for Yes, [T] for No.
[C]	S1	→	PLU	FILE	Delete PLU file No.124, back to S mode.

Note1: Only the programmed PLU file can be deleted.

Note2: In the last operation, pressing [T] key can back to the S Mode without deleting PLU file 124.

3.6.5 Volume Discount & Mark Down print function

Volume Discount function is used to set up special price during a sales period. Shop manager may program the discount price during a sales period, and the Shop manager can avoid sales loss caused by not returning the discount price back to the original price even after the sales period.

Type of Volume Discount

Shop manager can select a discount type from 5 types of volume discount. The formulas of 5 discount type are shown in the following table.

Formula of Discount price

Discount Type	Formula	Example
Free Item ❖ To called up PLU with **0 Unit Price** and allow issuing a receipt or label, **SPEC 231** must set to **"ALLOW"** in advance.	Price = 0	Total Price = 0
Unit Price Discount ❖ To select Formula (1) or Formula (2) can be decided by **SPEC 124** Setting.	(1) Unit Price = Original Unit Price - Unit Price discount amount. (2) Unit Price = Unit Price discount amount.	Original Unit Price = $ 10.00 Unit Price discount amount = $2.00 (1) Unit Price = $10.00 - $2.00 = $8.00 (2) Unit Price = $2.00
Unit Price % Discount	Unit Price = Original Unit Price x (100% - % Discount)	Original Unit Price = $ 10.00 % Discount = 20% Unit Price = $10.00 x (100% - 20%) = $8.00
Total Price Discount	Total Price = Original Price - Price Discount Amount	Original Total Price = $10.00 Price Discount Amount = $2.00 Total Price = $10.00 - $2.00 = $8.00
Total Price % Discount	Total Price = Original Total Price x (100% - % Discount)	Original Total Price = $10.00 % Discount = 20% Total Price = $10.00 x (100% - 20%) = $8.00
Fixed Price Discount	Total Price = Fixed Price Amount	Original Total Price = $10.00 Fixed Price Amount = $8.00 Total Price = $8.00

Mark Down Print Function (How to print discount price)

Mark Down Print function is used to print the discount price as well as the original price with double lines crossed when item is discounted. Mark Down Print function can be selected from the following 4 types, No Mark down / Unit Price Mark down/ Price Mark down / Unit Price & Price Mark down.

Type of Sales price function	Description of Sales Price data on label	
	Unit Price	Total Price
No Mark Down	**$1.50**	**$15.00**
Unit Price Mark Down	**$** ~~2.00~~ 1.50	**$15.00**
Total Price Mark Down	**$1.50** *Refer to Note 1*	**$** ~~20.00~~ 15.00
Unit & Total Price Mark Down	**$** ~~2.00~~ 1.50	**$** ~~20.00~~ 15.00

Note 1: Since discount unit price cannot be calculated if Total Price discount is used, it is not able to use Unit Price Mark Down function, when using Total Price discount and Free item discount.

3.7 Memory Status

The function is used for checking the number of existing PLU and remaining programmable PLU.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[2][0]	S20	→	MEMORY	STATUS	Select memory status check mode. You can press [≪] or [≫] key to select this mode.
[*]	S20.0	PLU	P 7	LF 4544	
[T]	S20	→	MEMORY	STATUS	Back to S mode.

3.8 Key Assignment

The Preset keys can be used for assignment of PLUs, Venders, Function keys and Value keys to speed up the operation in R mode.

3.8.1 PLU Assignment

PLU Number can be assigned to a preset key to call up PLU data by pressing the assigned preset key on Registration Mode.

For example: Assign PLU Number 100 to Preset Key Number 1.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[4] or [≫] three times	S4	→	KEY	ASSIGNMENT	Key Assignment mode is MENU 4 in S mode.
[*]	S4.0	PS AS	0	NO SET	Enter PLU assignment mode.
[1][0][0]	S4.0	PS AS	100	NO SET	Enter PLU No.100
[PRESET 1]	S4.0	PS AS	0	NO SET	PLU No.100 had been assigned to Preset Key 1.
[◇][C]	S4	→	KEY	ASSIGNMENT	Back to S mode.

Note1: Non-existing PLU No. can't be assigned.

Note2: If assigning PLU Number 50 to the Preset key No. 1 has been already programmed, the PLU No. 50 will replace the old data of Preset Key No. 1, but PLU Number cannot replace the preset key are already assign for Function Key, Vender Key or Value Key.

3.8.2 Vender Assignment

Vender Number can be assigned to a preset key to accumulate transaction data by pressing the assigned preset key on Registration Mode.

For example: Assign Vender Number 5 to Preset Key Number 2.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[4] or [≷] three times	S4	→	KEY	ASSIGNMENT	Key Assignment mode is MENU 4 in S mode.
[*]	S4.0	PS AS	0	NO SET	Enter PLU assignment mode.
[*]	S4.1	CK AS	0	NO SET	Enter Vender Key assignment status.
[5]	S4.1	CK AS	5	NO SET	Enter Vender No.5
[PRESET 2]	S4.0	CK AS	0	NO SET	Vender No.5 had been assigned to Preset Key 2.
[◇][C]	S4	→	KEY	ASSIGNMENT	Back to S mode.

Note1: Non-existing Vender No. cannot be assigned.

Note2: Non assigned Preset Key can be set as vender key.

3.8.3 Function Key Assignment

By assigning the following function keys to Preset keys, the functions can be used by touching the assigned keys.

For example: Assign Function Key 2 to Preset Key Number 25.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[4] or [≻] three times	S4	→	KEY	ASSIGNMENT	Key Assignment mode is MENU 4 in S mode.
[*]	S4.0	PS AS	0	NO SET	Enter PLU assignment mode.
[*]	S4.1	VR AS	0	NO SET	Enter Vender Key assignment status.
[*]	S4.2	FN AS	0	CLEAR	Enter Function Key assignment status.
[X][X]	S4.2	FN AS	2	-PRICE	Select PRICE DISCOUNT function
[PRESET 25]	S4.2	FN AS	0	CLEAR	PRICE DISCOUNT function had been assigned to Preset Key number 25.
[◇][C]	S4	→	KEY	ASSIGNMENT	Back to S mode.

Note1: Non assigned Preset Key can be set as function key.

3.8.4 Value Key Assignment

By assigning the following value keys to Preset keys, the functions can be used by touching the assigned keys

For example: Assign Preset Tare Key (0.150kg) to Preset Key Number 26.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[4] or [≷] three times	S4	→	KEY	ASSIGNMENT	Key Assignment mode is MENU 4 in S mode.
[*]	S4.0	PS AS	0	NO SET	Enter PLU assignment mode.
[*]	S4.1	VR AS	0	NO SET	Enter Vender Key assignment status.
[*]	S4.2	FN AS	0	CLEAR	Enter Function Key assignment status.
[*]	S4.3	VK AS	F DISC	0.00	Enter Value Key assignment status.
[X][X]	S4.3	VK AS	P TARE	0.000	Select Preset Tare function
[1][5][0]	S4.3	VK AS	P TARE	0.150	Enter Preset tare (0.150kg)
[PRESET 26]	S4.3	VK AS	P TARE	0.000	Preset tare had been assigned to Preset Key number 26.
[◇][C]	S4	→	KEY	ASSIGNMENT	Back to S mode.

Note1: Non assigned Preset Key can be set as value key.

3.8.5 Delete Preset Key Assignment

The following operation as below is to delete the Preset Key Assignment for PLU preset key, Function Key and Vender key.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[4] or [≯] three times	S4	→	KEY	ASSIGNMENT	Key Assignment mode is MENU 4 in S mode.
[*]	S4.0	PS AS	0	NO SET	Enter PLU assignment mode.
[*]	S4.2	FN AS	0	CLEAR	Enter Function Key assignment status.
[PRESET 25]	S4.2	FN AS	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S4.2	FN AS	0	CLEAR	
[◇][C]	S4	→	KEY	ASSIGNMENT	Back to S mode.

Note1: Non assigned Preset Key cannot be cleared.

Note2: In the last operation, pressing [T] key can back to Assigned key clear mode and do not clear the assigned key.

3.9 Shop Name File

Shop Name data will be printed on Label or Receipt can be programmed in this file. The maximum number of characters possible to enter varies according to character size entry. Up to 999999 Shop Names can be programmed with each 99 lines as maximum.

The default Shop Name print on label can be set at **SPEC 46** & print centering of shop name on label can be select at **SPEC 250** and default Shop Name print on Receipt can be set at **SPEC47** & printing position can be select at **SPEC251**.

3.9.1 Program Shop Name File

At Programming Mode, select Shop Name programming mode and then enter new Shop Name number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[5] or [≯] four times	S5	→	SHOP	NAME FILE	Shop name File mode is MENU 5 in S mode.
[*]	S5.0	SHOP	0	NO SET	Enter Shop Name File programming mode.
[1][*]	S5.1	S01.01		S1 A 100	Enter shop name code.(Ex.No.1)
[SIZE][D][I][G][I] [SP][S][H][O][P]	S5.1	S01.10		S2 A 76	Press [SIZE] key to change font size of the shop name. Enter the shop name .(Ex. "DIGI SHOP")
[*]	S5.1	S02.01		S1 A 100	Program 2nd line of this shop name.
[T][E][L][:]……	S5.1	S02.13		S1 A 88	Enter shop name for the 2nd line.(Ex. "TEL:57234888")
[PLU]	S5	→	SHOP	NAME FILE	Store Shop Name File 1, back to S mode.

3.9.2 Delete Shop Name File

At Shop Name programming mode, enter existing Shop Name Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[5] or [≯] four times	S5	→	SHOP	NAME FILE	Shop name File mode is MENU 5 in S mode.
[*]	S5.0	SHOP	0	NO SET	Enter Shop Name File programming mode.
[1]	S5.0	SHOP	1	NO SET	Enter shop name file 1.(Ex. No.1)
[—]	S5.0	SHOP	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S5	→	SHOP	NAME FILE	Delete Shop Name File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Shop Name File cannot be deleted.

3.10 Advertisement File

Advertisement message is the sales promotional description on the label, such as "FOR BARBECUE" or "FRESH". Maximum 99 lines can be programmed for each Advertisement Message and up to 999999 advertisement messages are available.

To print advertisement message on a label, **[ADVERTISEMENT]** Function Key can be assigned to a preset key in advance.

Note: Advertisement message print on all label can be set at **SPEC 96**.

3.10.1 Program Advertisement File

At Programming Mode, select Advertisement programming mode and then enter new Advertisement number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[6] or [≷] five times	S6	→	ADVER	MESSAGE	Select advertisement file programming mode.
[*]	S6.0	ADVER	0	NO SET	Enter advertisement File programming mode.
[1][*]	S6.1	A01.01		S1 A 100	Enter the advertisement File No.1(Ex.No.1)
[T][H][A][N][K][SP] [Y][O][U]	S6.1	A01.10		S1 A 91	Enter the advertisement as the same procedures as Commodity Name Entry. (Ex. "THANK YOU")
[SIZE]	S6.1	A01.10		S2 A 76	Press [SIZE] key to change font size of the advertisement file.
[SIZE]…[SIZE]	S6.1	A01.10		L5 A 21	Change font size to L5. (S1~S5; M1~M5)
[*]	S6.1	A02.01		S1 A 100	Program 2nd line of this advertisement file.
[PLU]	S6	→	ADVER	MESSAGE	Store Advertisement File 1, back to S mode.

Note1: Max.99 lines per file are available, max.100 characters per line are available. (characters per line depends on font size)

3.10.2 Delete Advertisement File

At Advertisement programming mode, enter existing Advertisement Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[6] or [≯] five times	S6	→	ADVER	MESSAGE	Select advertisement file programming mode.
[*]	S6.0	ADVER	0	NO SET	Enter advertisement File programming mode.
[1]	S6.0	ADVER	1	NO SET	Enter advertisement File 1.(Ex. No.1)
[—]	S6.0	ADVER	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S6	→	ADVER	MESSAGE	Delete advertisement File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Advertisement File cannot be deleted.

3.11 Vender File

Vender file is used for programming names of operators. Maximum 16 characters can be entered per Vender name. A programmed Vender number can be assigned to a preset key. The Vender Number or Name (Depend on **SPEC 21** setting) will be printed on the label, if selected label format with print area for Vender Number and the programmed Vender name can be printed on receipt when **SPEC 21** set to **NAME**.

3.11.1 Program Vender File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[7] or [≍] six times	S7	→	VENDER	FILE	Select Vender file programming mode.
[*]	S7.0	CLERK	0	NO SET	Enter Vender File programming mode.
[1][*]	S7.1	CLERK	1	NAME 0	Select vender key.(Ex. V1) Program operator name for Vender 1.
[M][I][K][E]	S7.1	CLERK		NAME 4	Enter operator name for V1.(Ex. “MIKE”)
[PLU]	S7	→	VENDER	FILE	Store Vender File V1, back to S mode.

Note1: V1 ~ V99 can be programmed

3.11.2 Delete Vender File

At Vender programming mode, enter existing Vender Number (Ex. 5) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[7] or [≷] six times	S7	→	VENDER	FILE	Select Vender file programming mode.
[*]	S7.0	CLERK	0	NO SET	Enter Vender File programming mode.
[5]	S7.0	CLERK	5	NO SET	Enter vender key.(Ex. V5)
[—]	S7.0	CLERK	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S7	→	VENDER	FILE	Delete Vender File 5, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Vender File cannot be deleted.

Note3: V1 ~ V4 and V99 are default venders which cannot be deleted.

3.12 Program Date And Time

The built-in clock system can automatically work once they are set. Date (Month/Day/Year): 2 digits for each part; Time (Hour/Minute): 2 digits for each part.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[8] or [≯] seven times	S8	→	DATE	AND TIME	Select Date and Time programming mode.
[*]	P8.0	DATE	010100	MMDDYY	Enter Date and Time programming mode.
[0][8][1][9][0][4][*]	P8.1	TIME	0000	HHMM	Set Month 08, Day 19 and Year 04. (Ex. 2004-08-19)
[9][0][0][*]	S8	→	DATE	AND TIME	Set Hour 9,Minute 05. Store Date and Time, back to S mode.

3.13 Special Message File

Special Message can be used as a description on the label such as recipes, which can be linked in each PLU. Since standard format does not have a print area set for Special Message, Special Message cannot be printed when using these formats. To print Special Message on the label, it is required to use a Free Format with a Special Message print area programmed. Maximum 999999 special messages can be programmed with each up to 99 lines. The default Special Number print on Receipt can be set at **SPEC 112** and printing position can be set at **SPEC 125.**

3.13.1 Program Special Message File

At Programming Mode, select Special Message programming mode and then enter new Special Message number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[9] or [≍] eight times	S9	→	SP	MESSAGE	Select special message file programming mode.
[*]	S9.0	SP MG	0	NO SET	Enter special message File programming mode.
[1][*]	S9.1	M01.01		S1 A 100	Enter the special message File No.1.(Ex.No.1)
[M][A][D][E][SP][I] [N][SP][C][H][I][N] [A]	S9.1	M01.14		S1 A 87	Enter the special message File as the same procedures as Commodity Name Entry. (Ex. “MADE IN CHINA”)
[SIZE]	S9.1	M01.14		S2 A 72	Press [SIZE] key to change font size of the special message File.
[SIZE]…[SIZE]	S9.1	M02.01		M3 A 62	Change font size to M3. (S1~S5; M1~M5)
[*]	S9.1	M03.01		S1 A 100	Program 2nd line of this special message File.
[PLU]	S9	→	SP	MESSAGE	Store special message File 1, back to S mode.

3.13.2 Delete Special Message File

At Special Message programming mode, enter existing Special Message Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[9] or [≯] eight times	S9	→	SP	MESSAGE	Select special message file programming mode.
[*]	S9.0	SP MG	0	NO SET	Enter special message File programming mode.
[1]	S9.0	SP MG	1	NO SET	Enter special message File 1.(Ex. No.1)
[—]	S9.0	SP MG	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S9	→	SP	MESSAGE	Delete special message File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Special Message File cannot be deleted.

3.14 Ingredient File

Ingredients data programmed in this Master Ingredient file can be printed on the Free Format (F1~F99) with ingredient print area. Maximum 99 lines can be programmed for each Master ingredient data and up to 999999 Master Ingredients data can be programmed in this file.

3.14.1 Program Ingredient File

At Programming Mode, select Ingredient programming mode and then enter new Ingredient number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[10] or [≯] nine times	S10	→	INGR	FILE	Select Ingredient file programming mode.
[*]	S10.0	INGR	0	NO SET	Enter Ingredient File programming mode.
[1][*]	S10.1	G01.01		S1 A 100	Enter the Ingredient File No.1.(Ex.No.1)
[S][U][G][A][R]	S10.1	G01.06		S1 A 100	Enter the Ingredient File as the same procedures as Commodity Name Entry. (Ex. "SUGAR")
[SIZE]	S10.1	G01.06		S2 A 95	Press [SIZE] key to change font size of the Ingredient File.
[*]	S10.1	G02.01		S1 A 100	Program 2nd line of this Ingredient File.
[F][L][O][U][R]	S10.1	G02.06		S1 A95	
[PLU]	S10	→		FILE	Store Ingredient File 1, back to S mode.

3.14.2 Delete Ingredient File

At Ingredient programming mode, enter existing Ingredient Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[10] or [≻] nine times	S10	→	INGR	FILE	Select Ingredient file programming mode.
[*]	S10.0	INGR	0	NO SET	Enter Ingredient File programming mode.
[1]	S10.0	INGR	1	NO SET	Enter Ingredient File 1.(Ex. No.1)
[—]	S10.0	INGR	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S10	→	INGR	FILE	Delete Ingredient File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Ingredient File cannot be deleted.

3.15 Text File

Maximum 20 Texts are available (Text 1~16 are for Item label and Text 17~20 are for Total label). Text is used for printing the fixed data on label such as "Unit Price", "Packed Date". Text cannot be printed when using standard format since they do not have any Text print area set. You must use a Free Format with a Text print area programmed. Maximum 99 lines per Text can be programmed.

Note1: Print Text 5 to 16 on Total label can be set at **SPEC 332** setting.

Note2: Maximum 999999 Texts can be set at **SPEC 320** or **SPEC 361** setting.

3.15.1 Program Text File

At Programming Mode, select Text programming mode and then enter new Text number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[11] or [≷] ten times	S11	→	TEXT	FILE	Select Text file programming mode.
[*]	S11.0	TEXT	0	NO SET	Enter Text File programming mode.
[1][*]	S11.1	T01.01		S1 A 100	Enter the Text File No.1.(Ex.No.1)
[P][A][C][K][A][G][E]	S11.1	T01.08		S1 A 93	Enter the Text File as the same procedures as Commodity Name Entry. (Ex. "PACKAGE")
[SIZE]	S11.1	T01.08		S2 A 78	Press [SIZE] key to change font size of the Ingredient File.
[SIZE]…[SIZE]	S11.1	T01.08		S5 A 53	Change font size to S5. (S1~S5; M1~M5)
[*]	S11.1	T02.01		S1 A 100	Program 2nd line of this Ingredient File.
[D][A][T][E]	S11.1	T02.05	DATE	S1 A 96	
[PLU]	S11	→	TEXT	FILE	Store Text File 1, back to S mode.

3.15.2 Delete Text File

At Text programming mode, enter existing Text Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[11] or [≍] ten times	S11	→	TEXT	FILE	Select Text file programming mode.
[*]	S11.0	TEXT	0	NO SET	Enter Text File programming mode.
[1]	S11.0	TEXT	1	NO SET	Enter Text File 1.(Ex. No.1)
[—]	S11.0	TEXT	DEL ?	Y-C N-T	Enter deleting mode. [C] for Yes, [T] for No.
[C]	S11	→	TEXT	FILE	Delete Text File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

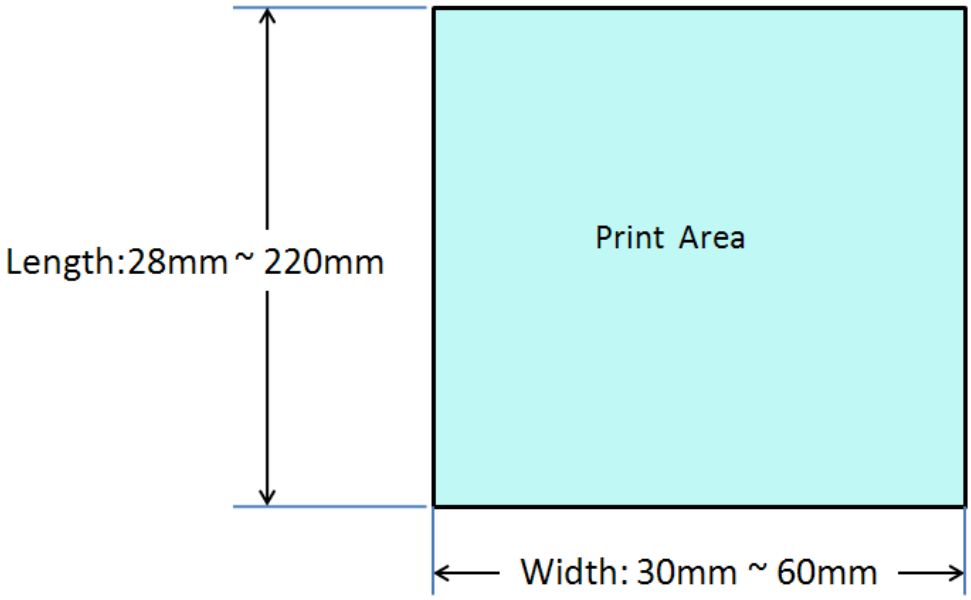
Note2: Non-existing Text File cannot be deleted.

3.16 Free Format File

The Free Format enables you to design your own label format, by setting print angles, print positions, character size and other programmable items. You can create a new format by copying an existing label format and use it as a base or make a totally new label format.

3.16.1 General Information

Label format within the following height and width can be created.



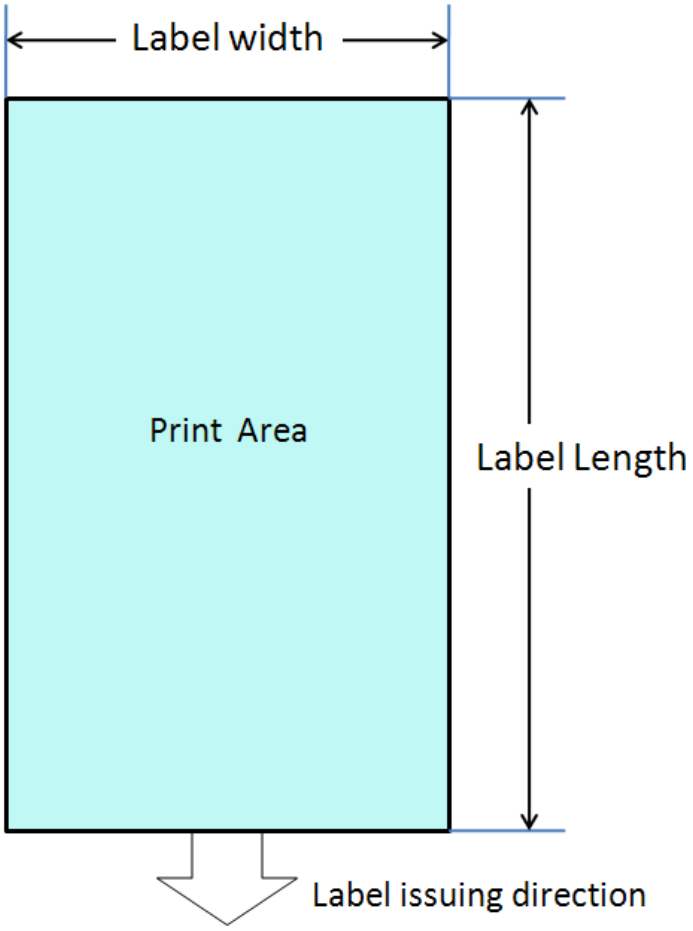
- Up to 99 Free Formats can be stored in the memory, apart from the other 16 standard formats.
- Standard format can be used as a basic format for creating a new format.
- Print position of each item is programmed using "mm".
- One Item label or one Total label is available for each Free Format number (F1~F99).
- 4 Print Angles can be set for all item data: 0, 90, 180 and 270 degrees.

3.16.2 Print Area, Print Position and Print Angles

The print position of each item is determined by setting the interval from "0" point (X=0, Y=0) to the base position of the programmed item. X and Y values need to be entered by "mm".

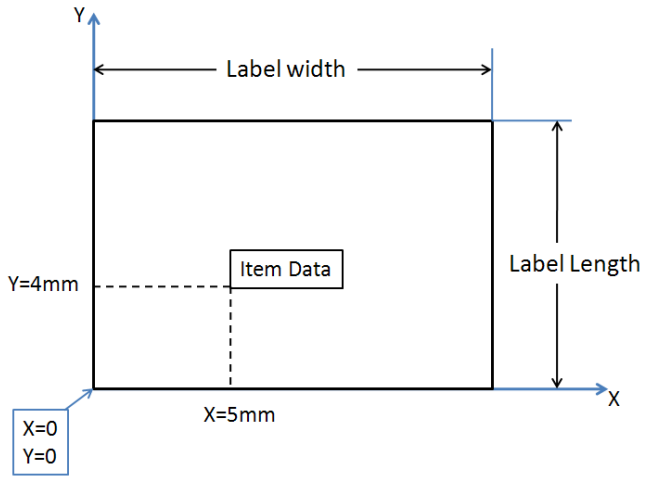
Print Area

The item data should not be printed within 1mm from the edge of the label as the following drawing shows.



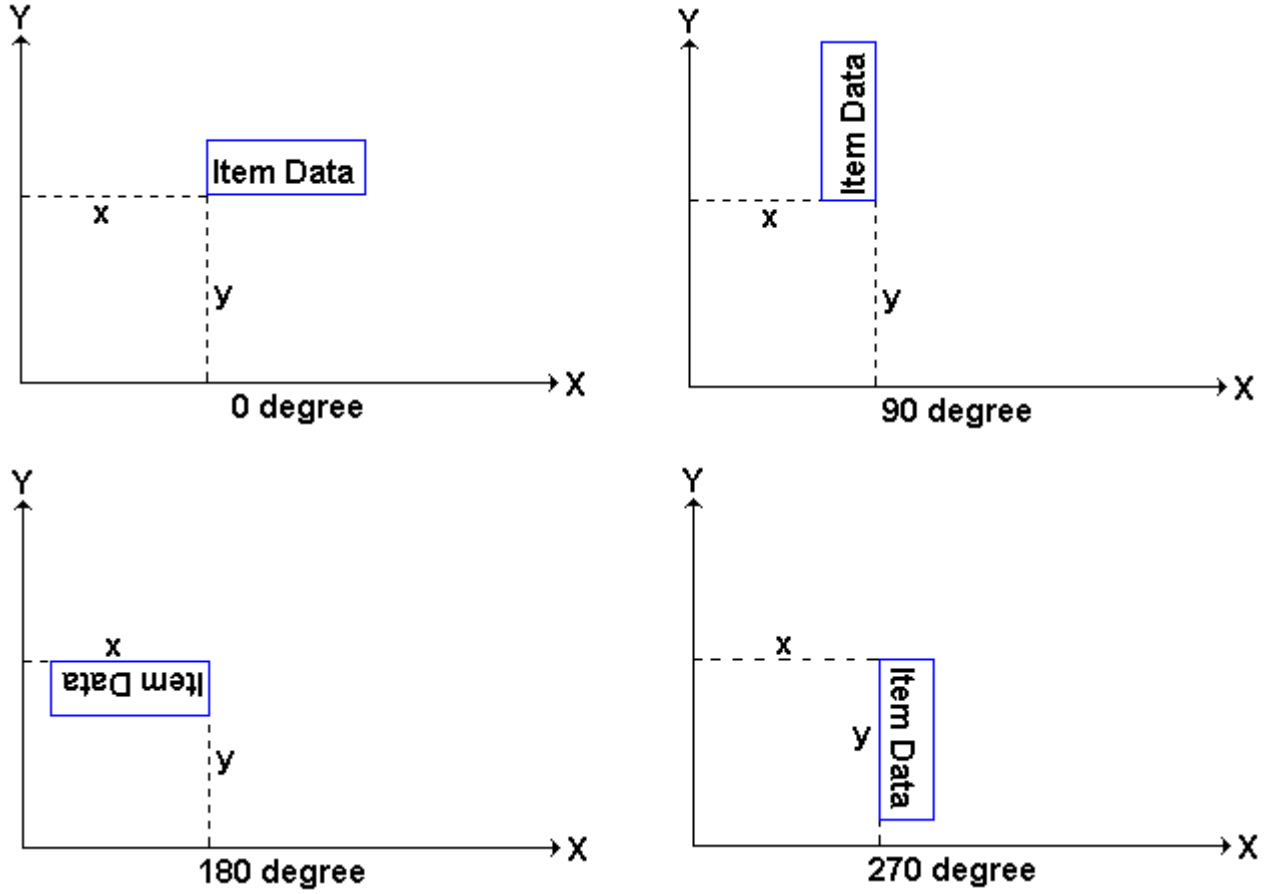
Print Position

The printing position of each item data is decided by setting the distance from 0 point (X=0, Y=0) to the base position (X value, Y value).



Print Angle

Print angle of each Print Item can be selected from 4 different angles, 0 degree, 90 degree, 180 degree, and 270 degree. A whole format base or each Item Data-base may set print angle. According to the selected print angle, the status of print position differs as the following samples.



3.16.3 Programming Parameter Of Print Items

Print Item for Item Label

Up to 87 different item data can be programmed in Item Label Format and is used for printing at Manual mode and pre-pack mode.

Item Data	Type	Display	Item Data	Type	Display
1. PLU NO	1	PLUno	58. AVERAGE WEIGHT	1	AVEWT
2. PRICE (-TAX)	1	PRICE	59. BONUS POINT	1	BONUS
3. UNIT PRICE	1	UN PR	60. EURO UNIT PRICE	1	EUR U
4. WEIGHT	1	WT	61. EURO TOTAL PRICE	1	EUR T
5. QUANTITY	1	QTY	62. EURO CALULATION	1	EUR C
6. PACKED DATE	1	PDATE	63. DUPLICATE TOTAL PRICE	1	
7. PACKED TIME	1	PTIME	64. DUPLICATE UNIT PRICE	1	
8. COMMODITY	2	COMM	66. BORN COUNTRY	1	BORN
9. QUANTITY UNIT	1	QTYSY	67. FATTEN COUNTRY	1	FAT
10. SELL DATE	1	SDATE	68. SLAUGTHER HOUSE	1	SLAUG
11. SELL TIME	1	STIME	69. CUTTING HALL	1	CUT H
12. BARCODE	3	BARCD	70. REFER NO	1	FEF D
13. SHOP NAME	2	SHOPN	71. ORIGIN	1	ORIGI
14. DISCOUNT VALUE	1	DISCT	72. TEMPERATURE	1	TEMP
15. USED DATE	1	UDATE	73. MULTI BARCODE 1	3	M1BAR
16. LOGO	2	LOGO	74. MULTI BARCODE 2	3	M2BAR
17. MAIN GROUP CODE	1	MG CD	75. SERIAL NO	1	SR NO
18. DEPARTMENT CODE	1	DEPT	76. GROSS WEIGHT	1	GR WT
19. SCALE NUMBER	1	SCLNO	77. REWRAP	1	RWRAP
20. INGREDIENT	2	INGR	78. KIND	1	KIND
21. SPECIAL MESSAGE	2	SP MG	79. CATEGORY	1	CATG
22. FRAME 1	4	FRM 1	80. BREED	1	BREED
23. FRAME 2	4	FRM 2	81. CONTACT	1	CONT
24. TARE	1	TARE	82. GTIN	1	GTIN
25. CLERK	1	CLERK	83. SUPPLIER CODE	1	SCODE
26 ~ 41. TEXT 1 ~ TEXT 16	2	TXT??	84. SUPPLIER NAME	1	SNAME
42. PRICE (+ TAX)	1	PRTAX	85. SUPPLIER ADDRESS 1	1	SADD1
43. TAX RATE	1	TAX R	86. SUPPLIER ADDRESS 2	1	SADD2
44. PLACE	2	PLACE	87. ADVERTISEMENT	2	ADVER
45. PRICE BEFORE DISCOUNT	1	N PRC	88. Reserved		
46. UNIT PRICE BEFORE DISCOUNT	1	N UP	89. Reserved		
47 ~ 56.IMAGE 1 ~ IMAGE 10	2	IMG??	90. Reserved		
57. AVERAGE PRICE	1	AVE[R			
Remarks: No.82 for Item Label is the test print mode for checking the programmed print format.					

Print Item for Total Label

Up to 28 different item data can be programmed in Total Label Format and is used for printing multiple transaction labels for counter sales at Manual mode, Sub-Total and Grand Total at Pre-pack mode.

Item Data	Type	Display	Item Data	Type	Display
1. PLU NO	1	PLUno	16. EXCLUDED TAX AMOUNT	1	ATX
2. PACK DATE	1	PDATE	17. INCLUDED TAX AMOUNT	1	VTX
3. WEIGHT	1	WT	18. EURO TOTAL PRICE	1	ERUO
4. QUANTITY	1	QTY	19. USED DATE	1	UDATE
5. QUANTITY UNIT	1	QTYSY	20. BORN COUNTRY	1	BORN
6. PRICE (+ TAX)	1	PRTAX	21. FATTEN COUNTRY	1	FAT
7. PACKED TIME	1	PTIME	22. SLAUGTHER HOUSE	1	SLAUG
8. TOTAL TITLE	1	TOTAL	23. CUTTING HALL	1	CUT H
9. BARCODE	3	BARCD	24. REFER DATE	1	REF D
10. CLERK	1	CLERK	25. ORIGINAL COUNTRY	1	ORIGI
11. TEXT 17	2	TXT17	26. MULTI BARCODE 1	3	M1BAR
12. TEXT 18	2	TXT18	27. MULTI BARCODE 2	3	M2BAR
13. TEXT 19	2	TXT19	28. SERIAL NO	1	SR NO
14. TEXT 20	2	TXT20	29. Reserved		
15. PRICE (- TAX)	1	P-TAX	30. Reserved		
Remarks: No.29 for Total Label is the test print mode for checking the programmed print format					

Programmable Data Type

Programmable data	Type 1	Type 2	Type 3	Type 4
X position	YES	YES	YES	YES
Y position	YES	YES	YES	YES
Angle	YES	YES	YES	NO
Status	YES	YES	YES	YES
Character Size	YES	NO	NO	NO
Width	NO	YES	NO	NO
Height	NO	YES	YES	NO
Thickness	NO	NO	NO	YES

3.16.4 Free Format Entry

At Programming Mode, select Free Format programming mode and then enter new Free Format number (Ex. 1) programming mode. *For edit, enter existing Free Format number.

Basic Setting: (width, height, angle and label type)

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[1][2]	S12	→	FREE	FORMAT	Select Free Format setting programming mode.
[*]	S12.0	FREE	0	1-99	Enter Free Format setting programming mode. Select Free Format File Number.
[1][*]	S12.1	LABEL	0	WT MM	Enter the Free Format File No.1.(Ex.No.1)
[4][8][*]	S12.2	LABEL	0	HT MM	Enter Label print width.(Ex.48mm)
[3][5][*]	S12.3	LABEL	0	DG ANGLE	Enter Label print height.(Ex.35mm)
[<<] or [>>]	S12.3	LABEL	90	DG ANGLE	[<<] or [>>] key can change the selection of label angle. (0,90,180,270 degree)
[*]	S12.4	LABEL	ITEM	LABEL	Label angle is turned 90 degree.
[<<] or [>>]	S12.4	LABEL	TOTAL	LABEL	Select label type. (Item Label; Total Label)
[*]	S12.5	PLUno	← 1	F ITEM	Enter item setting. Refer to Base Type 1 to 4 setting.

Base Type 1:

Item data in Data Base Type1 are Numeric data or Fixed data. The print position of item data can be programmed by setting X / Y value, Print angle and Character size.

Item Label: PLU No., Price, Unit Price, Weight, Quantity, Packed date, Packed Time, Quantity Symbol, Sell by date, Sell by time, Discount Price, Used by date, MG No., Dept. No., Scale No., Tare Weight, Clerk No., and Text data.

Total Label: PLU No., Packed date, Total Weight, Total quantity, Quantity symbol, Total Price, Packed time, Letter of **TOTAL**, Clerk No., and Text data.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Continued from the procedure Basic Setting: (width, height, angle and label type)					
	S12.5	PLUno	← 1	F ITEM	Item setting: PLU No.
[*]	S12.5	PLUno	0	X MM	Enter X value.(Ex.1mm)
[1][*]	S12.5	PLUno	0	Y MM	Enter Y value.(Ex.1mm)
[1][*]	S12.5	PLUno	0	DG ANGLE	Select print angle.(Ex.90 degree)
[>>][*]	S12.5	PLUno	0	STATUS	Enter print status.(Ex. All item print)
[7][*]	S12.5	PLUno	S1	CHAR SIZE	Select the character size.(Ex. S5)
[>>] four times	S12.5	PLUno	S5	CHAR SIZE	[<<] or [>>] key can change the selection of the character size. (S1~S5; M1~M5)
[*]	S12.5	PLUno	← 1	F ITEM	Enter next item setting.

Note 1: STATUS TYPE: 0: NO Print 3: Weighing Item 4: Non-weighing Item 7: All Item Print

Note 2: Up to 41 different item data can be programmed in Item Label Format and is used for printing at Manual Mode and Pre-pack Mode.

Note 3: Up to 14 different item data can be programmed in Total Label Format and is used for printing multiple transaction labels for counter sales at Manual Mode, Sub-Total and Grand Total at Pre-pack Mode.

Note 4: There are two ways to select the Item Data in Free Format programming by using different keys such as:

- Enter the Item data number key.
- Press [X] key or [–] key to search the Item data.

Base Type 2

Item data in Base Type 2 are Alpha-numeric data. The print position of item data can be programmed by setting the max. print area , X / Y value, width of print area from X value, height of print area from Y value and print angle.

Item Label: Commodity Name, Shop Name, Logo, Ingredient, and Special Message.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Continued from the procedure Basic Setting: (width, height, angle and label type)					
	S12.5	SHOPN	← 13	F ITEM	Item setting: Shop name.
[*]	S12.5	SHOPN	0	X MM	Enter X value.(Ex.10mm)
[1][0][*]	S12.5	SHOPN	0	Y MM	Enter Y value.(Ex.1mm)
[1][*]	S12.5	SHOPN	0	DG ANGLE	Select print angle.(Ex.180 degree)
[>>][>>][*]	S12.5	SHOPN	0	WT MM	Enter width value. The width of shop name printing area is 20mm.(Ex. 20mm)
[2][0][*]	S12.5	SHOPN	0	HT MM	Enter height value. The height of shop name printing area is 15mm.(Ex. 15mm)
[1][5][*]	S12.5	SHOPN	0	STATUS	Enter print status.(Ex. All item print)
[7]	S12.5	SHOPN	7	STATUS	The status of shop name printing area is all item printing.
[*]	S12.5	SHOPN	← 13	F ITEM	Enter next item setting.

Base Type 3

Item data in Data Base 3 is Barcode data. The print position of bar-code data can be programmed by setting X / Y value, width of Barcode from X value, height of Barcode from Y value and print angle.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Continued from the procedure Basic Setting: (width, height, angle and label type)					
	S12.5	BARCD	← 12	F ITEM	Item setting: Barcode.
[*]	S12.5	BARCD	0	X MM	Enter X value.(Ex.5mm)
[5][*]	S12.5	BARCD	0	Y MM	Enter Y value.(Ex.20mm)
[2][0][*]	S12.5	BARCD	0	DG ANGLE	Select print angle.(Ex.90 degree)
[>>][*]	S12.5	BARCD	0	HT MM	Enter height value. The height of shop name printing area is 25mm.(Ex. 25mm)
[2][5][*]	S12.5	BARCD	0	STATUS	Enter print status.(Ex. All item print)
[7]	S12.5	BARCD	7	STATUS	The status of BARCODE printing area is all item printing.
[*]	S12.5	BARCD	← 12	F ITEM	Enter next item setting.

Base Type 4

Item data in Data Base 4 is Frame data. The print position of Frame data may be programmed by setting X value, Y value, X1 value, Y1 value [the opposite point against the point (X,Y) on a diagonal line], and line weight.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Continued from the procedure Basic Setting: (width, height, angle and label type)					
	S12.5	FRM 1	← 22	F ITEM	Item setting: Frame 1.
[*]	S12.5	FRM 1	0	X MM	Enter X value.(Ex.10mm)
[1][0][*]	S12.5	FRM 1	0	Y MM	Enter Y value.(Ex.1mm)
[1][*]	S12.5	FRM 1	0	X1 MM	Enter X1 value. The X1 of frame 1 printing area is 20mm.(Ex. 20mm)
[2][0][*]	S12.5	FRM1	0	Y1 MM	Enter Y1 value. The Y1 of frame 1 printing area is 15mm.(Ex. 15mm)
[1][5][*]	S12.5	FRM 1	0	STATUS	Enter print status.(Ex. All item print)
[7][*]	S12.5	FRM 1	0	T MM	Enter line weight. The line weight of frame 1 printing area is 2mm.(Ex. 2mm)
[2][*]	S12.5	FRM 1	← 22	F ITEM	Enter next item setting.

3.16.5 Free Format Copy Function

At Free Format programming mode, Select Copy existing Label Format and then select the existing label format you want to be copy (Ex. T7) and go to next selection.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][2][*]	S12.0	FREE	0	1-99	Enter X value.(Ex.10mm)
[1]	S12.0	FREE	1	1-99	Enter the Free Format File No.1.(Ex.No.1)
[X]	S12.0	FREE	NO 0	COPY	Press [X] key to enter free format copy function.
[7] or [<<] and [>>]	S12.0	FREE	T7 7	COPY	Press [7] or [<<] and [>>] to select the existing label format you want to be copy.(Ex. T7)
[*][PLU]	S12	→	FREE	FORMAT	Store the free format file 1, back to S mode.

Note1: Another way to select the existing label format to copy by press [<<] Key or [>>] Key.

3.16.6 Free Format Delete Function

The Free Format Label cannot be deleted when the label is linked to existing PLU file.

At Free Format programming mode, enter existing Free Format Number (Ex. 1) to be deleted.

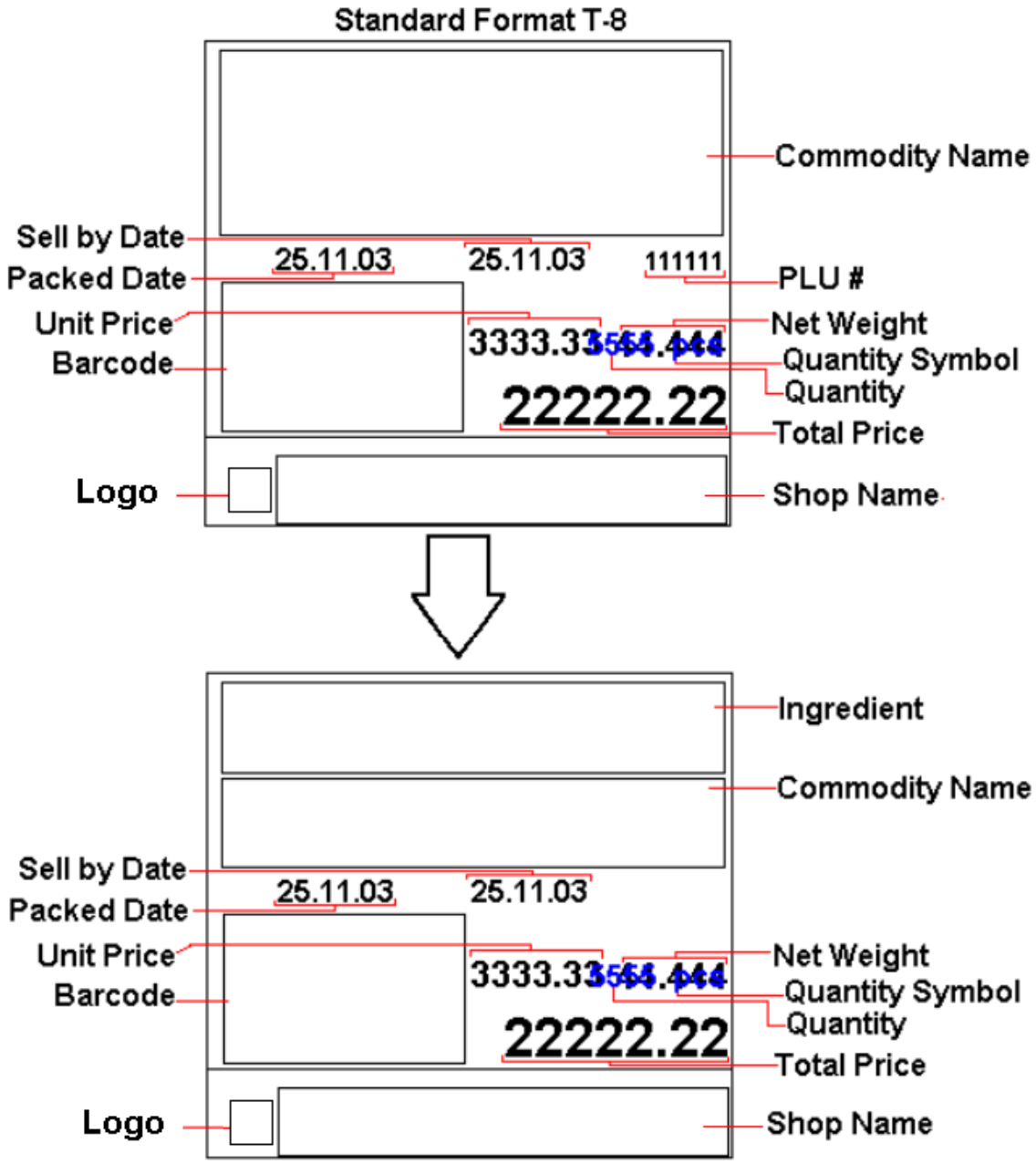
OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S12.0	FREE	0	1-99	Enter Free Format programming mode.
[1]	S12.0	FREE	1	1-99	Enter free format file number 1.
[—]	S12.0	FREE	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S12.0	→	FREE	FORMAT	Delete free format file 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Free Format File cannot be deleted.

3.16.7 Sample of program a format by modifying the existing format

You can create your desired label format by copying an existing format and modifying it to your needs.



Following is the example on how to customize standard format T8 to your needs. E.g. Add an ingredient text and remove the PLU # from the standard Item Label Format

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S12	→	FREE	FORMAT	At Free Format program mode
[*]	S12.0	FREE	0	1-99	Enter Free Format setting programming mode. Select Free Format File Number.
[8]	S12.0	FREE	8	1-99	Enter the Free Format File No.1.(Ex.No.8)
[X]	S12.0	FREE	NO 0	COPY	Press [X] key to enter free format copy function.
[8] or [<<] and [>>]	S12.0	FREE	T8 8	COPY	Press [8] or [<<] and [>>] to select the existing label format you want to be copy.(Ex. T8)
[*]	S12.1	LABEL	56	WT MM	Change label width (Ex. No change).
[*]	S12.2	LABEL	55	HT MM	Change label height (Ex. No change).
[*]	S12.3	LABEL	0	DG ANGLE	Change print angle.(Ex. No change)
[*]	S12.4	LABEL	ITEM	LABEL	Select Item Label.
[*]	S12.5	PLUno	← 1	F ITEM	Enter item setting.
[*][*][*][*]	S12.5	PLUno	7	STATUS	Enter PLU Number print Status mode.
[C]or[0]	S12.5	PLUno	0	STATUS	Change the status to NO PRINT
[*][*]	S12.5	PLUno	← 1	F ITEM	Save the setting and go to next selection.
[8]	S12.5	COMM	← 8	F ITEM	Select Commodity Name program mode.
[*][*][3][2]	S12.5	COMM	23	Y MM	Enter Y position setting mode and change it from 23 mm to 32 mm and go to next selection.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[*]	S12.5	COMM	0	DG ANGLE	Change print angle.(Ex. No change)
[*][*][1][5]	S12.5	COMM	15	HT MM	Enter TTL Height setting mode, change the height from 21 mm to 15 mm and go to next selection.
[*]	S12.5	COMM	7	STATUS	Enter print status. (Ex. No change)
[*]	S12.5	COMM	← 8	F ITEM	Save the Commodity Name print setting.
[2][0]	S12.5	INGR	← 20	F ITEM	Select Ingredient program mode.
[*]	S12.5	INGR	0	X MM	Enter Ingredient programmable mode.
[2][*]	S12.5	INGR	0	Y MM	Enter X Position value (Ex. 2mm) and go to next selection.
[2][3][*]	S12.5	INGR	0	DG ANGLE	Enter Y Position value (Ex. 23mm) and go to next selection.
[*]	S12.5	INGR	0	WT MM	Change print angle (Ex. No change).
[5][4][*]	S12.5	INGR	0	HT MM	Enter WIDTH value (Ex. 54mm) and go to next selection.
[1][0][*]	S12.5	INGR	0	STATUS	Enter HEIGHT value (Ex. 10mm) and go to next selection.
[7][*]	S12.5	INGR	← 20	F ITEM	Select print status (Ex. 7 = ALL PRINT) and go to next selection.
[PLU]	S12	→	FREE	FORMAT	Save the Free Format number 8.

3.17 Place File

Place file is used for programming a short text describing the place of production. Maximum 999999 places can be programmed, each with 99 lines.

3.17.1 Program Place File

At Programming Mode, select Place programming mode and then enter new Place number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][5][*]	S15.0	PLACE	0	NO SET	Enter Place File programming mode.
[1][*]	S15.1	P01.01		S1 A100	Enter place file No.(Ex. No.1)
[M][A][D][E][SP]……	S15.1	P01.13		S1 A 88	Enter the Place File as the same procedures as Commodity Name Entry. (Ex. "MADE IN DIGI")
[SIZE][SIZE]…	S15.1	P01.13		S5 A 48	Change font size to S5. (S1~S5; M1~M5)
[PLU]	S15	→	PLACE	FILE	Store Place File 1, back to S mode.

3.17.2 Delete Place File

At Place programming mode, enter existing Place Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S15.0	PLACE	0	NO SET	Enter Place File programming mode.
[1]	S15.0	PLACE	1	NO SET	Enter Place File number 1.
[—]	S15.0	PLACE	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S15	→	PLACE	FILE	Delete Place File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Place File cannot be deleted.

3.18 Machine Setting

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][6][*]	S16.0	RATE	0.00	DISC	Program Machine Code.
[5][0][0]	S16.0	RATE	5.00	DISC	Enter default discount rate.(Ex. 5.00%)
[PLU]	S16	→	MACHIN	SETTING	Store machine setting, back to S mode.

Note1: 0% to 99.99% are available for Default Discount Rate.

3.19 Logo File

Logo is the trademark of the shop, which will be printed in Label or Receipt. Logo will be printed on the top of receipt and on the left side of shop name on label. (When printing Logo data on Free Format Label, set the print area of Logo data on the Free Format in advance.)

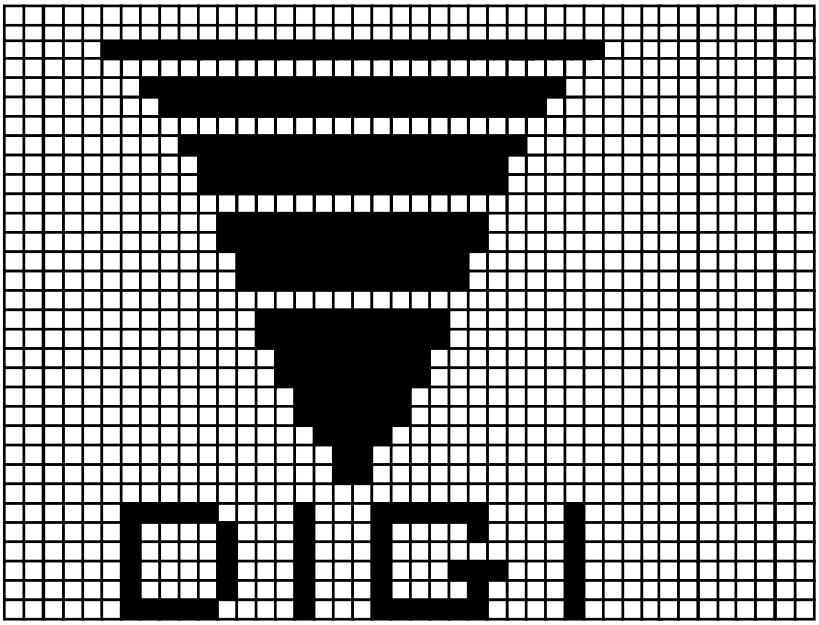
Logo data can be programmed up to 4 logos. When using 4 logos for label, assign the LOGO KEY to preset key in advance. A logo data is formed by a pattern of dots (128 horizontal dots and 64 vertical dots.) However, since the Label logo data is printed within the limits, which are programmed in label formats, program the logo data within the limits of print area on the format.

Note: All standard formats have 37 dots x 30 dots for logo print area.

3.19.1 Pre-programming Logo Data

1) Prepare a section paper with 128 horizontal dots and 64 vertical dots.
2) When programming Label Logo, draw the limit of the Logo print area.
3) Draw the desired logo design in the section paper by filling the section with dot. (The dots are necessary to seize the image of the actual logo before programming.)

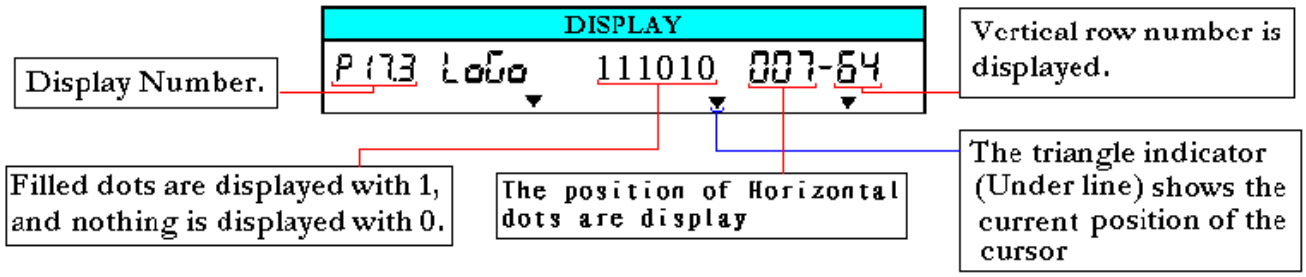
Example: **DIGI Logo for label** (37 x 30 dots)



3.19.2 Program Display & Keys Function

Program Display for Logo Set Up

The following display appears when entering Logo Program Mode.



Key Function for LOGO Set Up

[0]	------- Clear a dot.
[1]	------- Fill a dot.
[<<]	------- Move the cursor to left. [←]
[>>]	------- Move the cursor to right. [→]
[≽]	------- Move the cursor to up. [↑]
[≼]	------- Move the cursor to down. [↓]
[*]	------- Move up to the first dot in the next line.
[PLU]	------- Store the Data.

3.19.3 Programming Order

1) After filling a section, programming status (the position of the cursor) moves to the next dot automatically.

2) When the programming status reached to the last dot (128 horizontal dots), or [*] key is depress, the programming status moves to the first left section on the next upper line automatically.

3.19.4 Program Logo File

At Programming Mode, select Logo programming mode and enter new Logo number. (Ex. 1)

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][7][*]	S17.0	LOGO	0	NO SET	Enter Logo File programming mode. Enter Logo File number.(Ex. 1)
[1][*]	S17.1	LOGO	0	X-POS	Enter X position.(Ex. 7 dots)
[7][*]	S17.2	LOGO	0	Y-POS	Enter Y position.(Ex. 1dots)
[1][*]	S17.3	LOGO	000000	007-01	Set Fill or Clear dots you want and the save the setting and go to next upper line (Y 02).(Ex.11101110001)
[1][1]……[0][1][*]	S17.3	LOGO	000000	001-02	Press [>>] key to move the cursor to next dot.
Press[>>]key 6 times	S17.3	LOGO	000000	007-02	If necessary to change the position of the cursor been set, the following procedure is required.
[−][−]	S17.3	LOGO	7	X-POS	Change the Horizontal start position (Ex. 5 dots).
[5][*]	S17.3	LOGO	2	Y-POS	Change the Vertical start position (Ex. NO CHANGE).
[*]	S17.3	LOGO	000000	005-02	After complete program Logo data, save it.
[PLU]	S17	→	LOGO	FILE	Store the Logo 1 data, back to S mode.

Note1: If you want to exit without saving, press [◇] key follow by [C] key.

3.19.5 Delete Logo File

At Logo programming mode, enter existing Logo Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S17.0	LOGO	0	NO SET	Enter Logo File programming mode.
[1]	S17.0	LOGO	1	NO SET	Enter Logo File number 1.
[—]	S17.0	LOGO	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S17	→	LOGO	FILE	Delete Logo File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Logo File cannot be deleted.

3.20 Tax File

This function enables you to program consumption tax rate included or excluded in the price. Up to 10 Tax Numbers (1 - 10) can be programmed. The programmed Tax rates (Tax Number) that are linked to a Main Group will apply for all PLU's in that Main Group or set the Tax Number in individual PLU File. Tax Rates can be entered between 00.00 % - 99.99 %. To enable TAX programming mode, **SPEC 603** must set to **1 (TAX)** in advance.

There are two types of Taxes:

- ADD ON TAX: Tax is added to the Total Price.
- VAT TAX: Tax is included in the Total Price.

Note: If you want print **PRICE WITH TAX** on Item Label, the selected label format must has print area for Price + Tax and **SPEC 659:** SELECTION OF ITEM PRICE PRINTING must set to ITEM PRICE AFTER TAX in advance.

3.20.1 Program Tax File

At Programming Mode, select TAX programming mode and then enter new Tax number (Ex. 1) programming mode. *For edit, enter existing Tax number.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][8][*]	S18.0	TAX	0	NO SET	Enter Tax File programming mode. Enter Tax File number.(Ex. 1)
[1][*]	S18.1	TAX	0.00	INCLUDE	Enter default tax rate.(Ex. 3.00%)
[3][0][0]	S18.1	TAX	3.00	INCLUDE	Select tax type.
[<<] or [>>]	S18.1	TAX	3.00	EXCLUDE	Tax File 1 is value added tax.
[PLU]	S18	→	TAX	FILE	Store the Tax File 1 data, back to S mode.

Note1: 0 % to 99.99 % are available for Default Tax Rate.

Note2: [<<] and [>>] key can change the tax type. (Include / Exclude)

3.20.2 Delete Tax File

When the Tax Number linked to the existing Main Group File or PLU File, the Tax Number cannot be deleted. In addition, the Tax Number 1 cannot be deleted.

At Tax programming mode, enter existing Tax Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S18.0	TAX	0	NO SET	Enter Tax File programming mode.
[1]	S18.0	TAX	1	NO SET	Enter Tax File number 1.
[—]	S18.0	TAX	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S18	→	TAX	FILE	Delete Tax File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Tax File cannot be deleted.

3.21 Scroll Message File

Maximum 100 characters can be programmed for each scroll message and up to 9 Scroll Message data are available in Scroll Message file.

3.21.1 Program Scroll Message File

At Programming Mode, select Scrolling Message programming mode and then enter new Scroll Message number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][3][*]	S13.0	SC MG	0	NO SET	Enter Scrolling Message programming mode.
[1][*]	S13.1	SC MG		0	Enter Scrolling Message number.(Ex. 1)
[W][E][L][C][O][M] [E][SP][T][O]……	S13.1	SC MG		21	Enter Scroll Message. (Ex. "WELCOME TO DIGI STORE")
[PLU]	S13	→	SCROLL	MESSAGE	Store the Scroll message 1 data, back to S mode.

3.21.2 Delete Scroll Message File

When the Scroll message number is linked to Scroll Sequence, it can't be deleted.

At Scrolling Message program mode, enter existing Scroll Message Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S13.0	SC MG	0	NO SET	Enter Scrolling Message programming mode.
[1]	S13.0	SC MG	1	NO SET	Enter Scrolling Message number.(Ex. 1)
[—]	S13.0	SC MG	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S13	→	SCROLL	MESSAGE	Delete Scrolling Message File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Scroll Message File cannot be deleted.

3.22 Scroll Sequence File

Scroll Sequence # 1 to # 3 is available. Each Scroll Sequence consists of up to three kinds of Messages. Scroll Sequence means the scroll display order and display appearance of the programmed Scroll Message.

3.22.1 Program Scroll Sequence File

At Programming Mode, select Scrolling Sequence programming mode and then enter new Scroll Sequence number (Ex. 1) programming mode. *For edit, enter existing Scroll Sequence Number.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[1][4][*]	S14.0	SC SQ	0	NO SET	Enter Scrolling Sequence programming mode.
[1][*]	S14.1	SC SQ	MSG NO	000	Enter Scrolling Sequence file number.(Ex. 1)
[1][2][3][*]	S14.2	SC SQ	ATTRIB	123 000	Enter existing Scrolling Message Number.(Ex. 1, 2, 3)
[1][2][3][*]	S14.2	SC SQ	SPEED	123 000	Select Scrolling pattern for each Scrolling Message. (Ex. MSG#1=1, MSG#2=2, MSG#3=3)
[1][2][0]	S14.2	SC SQ	SPEED	123 120	Select Scrolling Rate. (Ex. MSG#1=1: NORMAL, MSG#2=2: FAST, MSG#3=0: SLOW)
[PLU]	S14	→	SCROLL	SEQUENC	Store the Scroll message 1 data, back to S mode.

The scrolling pattern is as following.

0: L–SCROLL: Maximum100 characters

1: BLINKING: Maximum 25 characters

2: STATIS: Maximum 25 characters

3: R –SCROLL: Maximum100 characters

4: WIPE IN: Maximum 25 characters

3.22.2 Enable or Disable Scroll Sequence File

This Function is used to enable the programmed Scroll Message data by Scroll Sequence Number shows on the Display in Registration Mode when scale in idle time. The Scroll Message, Scrolling Pattern and Speed will follow Scroll Sequence Number setting.

Enable Scroll Sequence File

At Scroll Sequence programming Mode, enter Scroll Sequence Number you want (Ex. 1).

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S14.0	SC SQ	0	NO SET	Enter Scrolling Sequence programming mode.
[1]	S14.0	SC SQ	1	NO SET	Enter Scrolling Sequence file number.(Ex. 1)
[PLU]	S14	→	SCROLL	SEQUENC	Enable Scrolling Sequence Number 1, back to S mode.

Note1: If you want to change the Scroll Sequence number, enter new sequence number follow by press [PLU] key.

Disable Scrolling Message

At Scroll Sequence programming Mode, enter Scroll Sequence Number you want (Ex. 0).

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S14.0	SC SQ	0	NO SET	Enter Scrolling Sequence programming mode.
[0]	S14.1	SC SQ	0	NO SET	Enter Scrolling Sequence file number.(Ex. 0)
[PLU]	S14	→	SCROLL	SEQUENC	disable Scrolling Sequence Number 1, back to S mode.

3.22.3 Delete Scroll Sequence Number

When the Scroll Sequence Number to be deleted is in Used, it can't be deleted.

At Scroll Sequence programming mode, enter existing Scroll Sequence Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S14.0	SC SQ	0	NO SET	Enter Scrolling Sequence programming mode.
[1]	S14.0	SC SQ	1	NO SET	Enter Scrolling Sequence file number.(Ex. 1)
[—]	S14.0	SC SQ	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S14	→	SCROLL	SEQUENC	Delete Scrolling Sequence Number 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Scroll Sequence File cannot be deleted.

3.23 Flexi Barcode File

This function enables you to program Flexi Barcode. Up to 9 Flexi Barcode Numbers (1 ~ 9) can be programmed.

3.23.1 Program Flexi Barcode File

Flexi Barcode is programmed by following procedure as below.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[MODE][MODE] [MODE]	S1	→	PLU	FILE	Enter S mode. Lamp S turns on.
[46]	S46	→	FLEXI	BARCODE	Program Flexi-barcode mode is MENU 46 in S mode.
[*]	S46.0	F BAR	0	NO SET	Enter Flexi-barcode assignment mode.
[1] [*]	S46.0	F BAR	1	NO SET	Enter Flexi-barcode No.1 (1~9 only)
[1][*]	S46.1	F BAR	0	FLAG	Enter Flag Type (Ex. 1) (0~2 only)
[5][*]	S46.2	F BAR	0	ITEM CO	Enter Item Code # (Ex.5) (1~7 only)
[6][*]	S46.3	F BAR	0	DATA 1	Enter Data1 Type # (Ex.6) (0~6 only))
[6][*]	S46.4	F BAR	0	DIGIT	Enter Data1 Digit # (Ex.6) (0~9 only)
[5][*]	S46.5	F BAR	0	SHIFT	Enter Data1 Shift # (Ex.5) (0~5 only)
[6][*]	S46.6	F BAR	0	DATA 2	Enter Data2 Type # (Ex.6) (0~6 only))
[6][*]	S46.7	F BAR	0	DIGIT	Enter Data2 Digit # (Ex.6) (0~9 only)
[5][*]	S46.8	F BAR	0	SHIFT	Enter Data2 Shift # (Ex.5) (0~5 only)
[X] or [<<] and [>>] [*]	S46.9	F BAR	NO	MIDDLE CD	Select Middle Check Digit
[×] or [<<] and [>>] [PLU]	S46.1	F BAR	ITF	BARCODE	Select Barcode Type (ITF or EAN)

3.23.2 Program Flexi Barcode in PLU File

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
[*]	S1.5	PLU	EAN	BARCODE	Select the type of BARCODE
[X] or [>>] [*]	S1.5	PLU	ITF	BARCODE	Select ITF Barcode
[<<]	S1.6	PLU	DFLT	BAR CODE	Select Flexi-barcode
[*] or [PLU]	S1.6	PLU	F BAR	2	Ex. Flexi-barcode #2

3.23.3 Delete Flexi Barcode

At Flexi Barcode programming mode, enter existing flexi barcode (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S46.0	F BAR	0	NO SET	Enter Flexi Barcode programming mode.
[1]	S46.0	F BAR	1	NO SET	Enter Flexi Barcode file number.(Ex. 1)
[—]	S46.0	F BAR	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S46	→	FLEXI	BARCODE	Delete Flexi Barcode Number 1, back to S mode.

Note: If you want to cancel the deletion, press [T] key to exit.

3.24 User Report Line File

User Report Line file is used for programming User Programmable Report Line. Maximum 99 files can be programmed, each with 99 lines.

3.24.1 Program User Report Line File

At Programming Mode, select User Report Line programming mode and then enter new User Report Line number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[2][2][*]	S22.0	U RPT	0	NO SET	Enter User Report Line File programming mode.
[1][*]	S22.1	P01.01		S1 A100	Enter User Report Line File No.(Ex. No.1)
[T][O][T][A][L]……	S22.1	P01.13		S1 A 89	Enter the User Report Line File as the same procedures as Commodity Name Entry. (Ex. "TOTAL PRICE")
[SIZE][SIZE]…	S22.1	P01.13		S5 A 49	Change font size to S5. (S1~S5; M1~M5)
[PLU]	S22	→	USER	RPT FILE	Store User Report Line File 1, back to S mode.

3.24.2 Delete User Report Line File

At User Report Line programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S22.0	U RPT	0	NO SET	Enter User Report Line File programming mode.
[1]	S22.0	U RPT	1	NO SET	Enter User Report Line File 1.
[—]	S22.0	U RPT	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S22	→	USER	RPT FILE	Delete User Report Line File 1, back to S mode.

Note: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing User Report Line File cannot be deleted.

3.25 User Report Data File

User Report Data file is used for programming User Programmable Report Data. Maximum 99 files can be programmed.

3.25.1 Program User Report Data File

At Programming Mode, select User Report Data programming mode and then enter new User Report Data number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[2][3][*]	S23.0	U RPT	0	NO SET	Enter User Report Data File programming mode.
[1][*]	S23.1	U RPT	0	TYPE	Enter User Report Data number.(Ex. 1)
[3][1][*]	S23.2	U RPT	0	ST NUM	Enter report type. (Ex. 31 PLU daily)
[1][*]	S23.3	U RPT	0	ED NUM	Enter PLU start No. (Ex. 1)
[9][8][7][*]	S23.4	U RPT	NO CONDITION		Enter PLU end No. (Ex. 987)
[X]	S23.4	U RPT	MAIN GROUP		Select condition type. (Ex. Main Group)
[PLU]	S23	→	USER	RPT DATA	Store the User Report Data 1 data, back to S mode.

3.25.2 Delete User Report Data File

At User Report Data programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S23.0	U RPT	0	NO SET	Enter User Report Data File programming mode.
[1]	S23.0	U RPT	1	NO SET	Enter User Report Data File 1.
[—]	S23.0	U RPT	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S23	→	USER	RPT DATA	Delete User Report Data File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing User Report Data File cannot be deleted.

3.26 User Report Sequence File

User Report Sequence file is used for programming User Programmable Report Data. Maximum 99 files can be programmed .

3.26.1 Program User Report Sequence File

At Programming Mode, select User Report Sequence programming mode and then enter new User Report Sequence number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[2][4][*]	S24.0	U RPT	0	NO SET	Enter User Report Sequence File programming mode.
[1][*]	S24.1	U RPT	0	TYPE	Enter User Report Sequence number.(Ex. 1)
[*]	S24.2	U RPT	PWD	ALLOW	Enter reset report type.
[*]	S24.3	U RPT	0	DATA# 1	Select check password.
[1] [*]	S24.3	U RPT	0	DATA# 2	Enter User Report Data No. (Ex. 1)
[2]	S24.3	U RPT	2	DATA# 2	Enter User Report Data No. (Ex. 2)
[PLU]	S24	→	USER	RPT SEQ	Store the User Report Sequence 1 data, back to S mode.

3.26.2 Delete User Report Sequence File

At User Report Sequence programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S24.0	U RPT	0	NO SET	Enter User Report Sequence File programming mode.
[1]	S24.0	U RPT	1	NO SET	Enter User Report Sequence File 1.
[—]	S24.0	U RPT	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S24	→	USER	RPT SEQ	Delete User Report Sequence File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing User Report Sequence File cannot be deleted.

3.27 Temperature File

Temperature file is used for programming storage temperature information which is printed on item label. Maximum 999999 files can be programmed.

3.27.1 Program Temperature File

At Programming Mode, select Temperature programming mode and then enter new Temperature number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][0][*]	S30.0	TEMP	0	NO SET	Enter Temperature File programming mode.
[1][*]	S30.1	TEMP	NON	TEMP 1	Enter Temperature number.(Ex. 1)
[1][0][T][*]	S30.2	TEMP	NON	TEMP 2	Enter temperature low. (Ex. -10)
[2][0]	S30.2	TEMP	20	TEMP 2	Enter temperature high. (Ex. 20)
[PLU]	S30	→	TEMPERATURE		Store the temperature 1 data, back to S mode.

3.27.2 Delete Temperature File

At Temperature programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S30.0	TEMP	0	NO SET	Enter Temperature File programming mode.
[1]	S30.0	TEMP	1	NO SET	Enter Temperature File 1.
[—]	S30.0	TEMP	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S30	→	USER	RPT SEQ	Delete Temperature File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Temperature File cannot be deleted.

3.28 Multi Barcode File

Multi Barcode file is used for printing EAN128, CODE128, GS1 DataBar and 2D barcode on item label and total label. Maximum 999999 files can be programmed.

3.28.1 Program Multi Barcode File

At Programming Mode, select Multi Barcode programming mode and then enter new Multi Barcode number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][1][*]	S31.0	M BAR	0	NO SET	Enter Multi Barcode File programming mode.
[1][*]	S31.1	E_A	M	0	Enter Multi Barcode number.(Ex. 1)
[X][X]	S31.1	E_C	F (00)18XCD		Select E_C type.
[←][T][*]	S31.1	E_C		DEFAULT	Select AI. (Ex. AI01)
[X]	S31.1	E_C		EAN128	Select barcode type. (Ex. EAN128)
[PLU]	S31	→	MULTI-BARCODE		Store the Multi Barcode data, back to S mode.

Note1: 2D barcodes are for multi barcode2 on item label only.

3.28.2 Delete Multi Barcode File

At Multi Barcode programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S31.0	M BAR	0	NO SET	Enter Multi Barcode File programming mode.
[1]	S31.0	M BAR	1	NO SET	Enter Multi Barcode File 1.
[—]	S31.0	M BAR	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S31	→	MULTI-BARCODE		Delete Multi Barcode File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Multi Barcode File cannot be deleted.

3.29 2D Barcode Text File

2D Barcode Text file is used for programming a text which can be printed as 2D barcode. Maximum 999999 2D Barcode Texts can be programmed, each with 99 lines.

3.29.1 Program 2D Barcode Text File

At Programming Mode, select 2D Barcode Text programming mode and then enter new 2D Barcode Text number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][2][*]	S32.0	TXT2D	0	NO SET	Enter 2D Bar Text File programming mode.
[1][*]	S32.1	P01.01		S1 A100	Enter 2D Bar Text file No.(Ex. No.1)
[M][A][D][E][SP]……	S32.1	P01.13		S1 A 88	Enter the 2D Bar Text File as the same procedures as Commodity Name Entry. (Ex. "MADE IN DIGI")
[PLU]	S32	→	2D BAR TEXT		Store 2D Bar Text File 1, back to S mode.

3.29.2 Delete 2D Barcode Text File

At 2D Barcode Text programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S32.0	TXT2D	0	NO SET	Enter 2D Bar Text File programming mode.
[1]	S32.0	TXT2D	1	NO SET	Enter File number 1.
[—]	S32.0	TXT2D	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S32	→	2D BAR TEXT		Delete 2D Bar Text File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing 2D Barcode Text File cannot be deleted.

3.30 Country File

Country File is used to program Country Name for Traceability Information programming and printed on Label or Receipt. To print Country Name on the label, it is required to use a Free Format with a Country Name print area programmed. Maximum 9999 Country Files can be programmed and maximum 16 characters can be entered per Country File, each with 1 line.

Note: To enable this Programming Mode, **SPEC 258** must set to "YES" in advance.

3.30.1 Program Country File

At Programming Mode, select Country programming mode and then enter new Country number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][4][*]	S34.0	COUN	0	NO SET	Enter Country File programming mode.
[1][*]	S34.1	COUN		NAME 0	Enter Country number.(Ex. 1)
[C][H][I][N][A]	S34.1	COUN		NAME 5	Enter the Country File as the same procedures as Commodity Name Entry. (Ex. "CHINA")
[PLU]	S34	→	COUNTRY FILE		Store the Country data, back to S mode.

3.30.2 Delete Country File

At Country programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S34.0	COUN	0	NO SET	Enter Country File programming mode.
[1]	S34.0	COUN	1	NO SET	Enter Country File 1.
[—]	S34.0	COUN	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S34	→	COUNTRY FILE		Delete Country File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Country File cannot be deleted.

3.31 Cutting Hall File

Cutting Hall is used to program Cutting Hall Name for Traceability Information programming and printed on Label or Receipt. To print Cutting Halls on the label, it is required to use a Free Format with a Cutting Halls print area programmed. Maximum 9999 Cutting Halls can be programmed and maximum 16 characters can be entered per File, each with 1 line.

Note: To enable this Programming Mode, **SPEC 258** must set to "YES" in advance.

3.31.1 Program Cutting Hall File

At Programming Mode, select Cutting Hall programming mode and enter new Cutting Hall number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][5][*]	S35.0	HALL	0	NO SET	Enter Cutting Hall File programming mode.
[1][*]	S35.1	HALL	0	COUNTRY	Enter Cutting Hall number.(Ex. 1)
[1][*]	S35.2	HALL		NAME 0	Enter Country number.(Ex. 1)
[H][A][L][L][SP][#][1]	S35.2	HALL		NAME 7	Enter the Cutting Hall File as the same procedures as Commodity Name Entry. (Ex. "HALL #1")
[PLU]	S35	→	CUTTING HALL		Store the Cutting Hall data, back to S mode.

3.31.2 Delete Cutting Hall File

At Cutting Hall programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S35.0	HALL	0	NO SET	Enter Cutting Hall File programming mode.
[1]	S35.0	HALL	1	NO SET	Enter Cutting Hall File 1.
[—]	S35.0	HALL	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S35	→	CUTTING HALL		Delete Cutting Hall File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Cutting Hall File cannot be deleted.

3.32 Slaughter House File

Slaughter Houses is used to program Name of the Slaughter House for Traceability Information programming and printed on Label or Receipt. To print Slaughter Houses on the label, it is required to use a Free Format with a Slaughter Houses print area programmed. Maximum 9999 Slaughter Houses can be programmed and maximum 16 characters can be entered per File, each with 1 line.

Note: To enable this Programming Mode, **SPEC 258** must set to "YES" in advance.

3.32.1 Program Slaughter House File

At Programming Mode, select Slaughter House programming mode and then enter new Slaughter House number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][6][*]	S36.0	HOUSE	0	NO SET	Enter Slaughter House File programming mode.
[1][*]	S36.1	HOUSE	0	COUNTRY	Enter Slaughter House number.(Ex. 1)
[1][*]	S36.2	HOUSE		NAME 0	Enter Country number.(Ex. 1)
[H][O][U][S][E][SP][#][1]	S36.2	HOUSE		NAME 8	Enter the Slaughter House File as the same procedures as Commodity Name Entry. (Ex. "HOUSE #1")
[PLU]	S36	→	SLAUGHTERHOUSE		Store the Slaughter House data, back to S mode.

3.32.2 Delete Slaughter House File

At Slaughter House programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S36.0	HOUSE	0	NO SET	Enter Slaughter House File programming mode.
[1]	S36.0	HOUSE	1	NO SET	Enter Slaughter House File 1.
[—]	S36.0	HOUSE	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S36	→	SLAUGHTERHOUSE		Delete Slaughter House File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Slaughter House File cannot be deleted.

3.33 Kind File

Kind File is used to program Name of the Kind for Traceability Information programming and printed on Label or Receipt. To print Kind on the label, it is required to use a Free Format with a Kind print area programmed. Maximum 9999 Kinds can be programmed and maximum 16 characters can be entered per File, each with 1 line.

Note: To enable this Programming Mode, **SPEC 258** must set to "YES" in advance.

3.33.1 Program Kind File

At Programming Mode, select Kind programming mode and then enter new Kind number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[4][7][*]	S47.0	KIND	0	NO SET	Enter Kind File programming mode.
[1][*]	S47.1	KIND		NAME 0	Enter Kind number.(Ex. 1)
[K][I][N][D][SP][#][1]	S47.1	KIND		NAME 7	Enter the Kind File as the same procedures as Commodity Name Entry. (Ex. "KIND #1")
[PLU]	S47	→	KIND FILE		Store the Kind data, back to S mode.

3.33.2 Delete Kind File

At Kind programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S47.0	KIND	0	NO SET	Enter Kind File programming mode.
[1]	S47.0	KIND	1	NO SET	Enter Kind File 1.
[—]	S47.0	KIND	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S47	→	KIND FILE		Delete Kind File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Kind File cannot be deleted.

3.33 Category File

Category File is used to program Name of the Category for Traceability Information programming and printed on Label or Receipt. To print Category on the label, it is required to use a Free Format with a Category print area programmed. Maximum 9999 Categories can be programmed and maximum 16 characters can be entered per File, each with 1 line.

Note: To enable this Programming Mode, **SPEC 258** must set to "YES" in advance.

3.33.1 Program Category File

At Programming Mode, select Category programming mode and then enter new Category number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[4][8][*]	S48.0	CATEG	0	NO SET	Enter Category File programming mode.
[1][*]	S48.1	CATEG		NAME 0	Enter Category number.(Ex. 1)
[C][A][T][E][G][O][R][Y][SP][#][1]	S48.1	CATEG		NAME 11	Enter the Category File as the same procedures as Commodity Name Entry. (Ex. "CATEGORY #1")
[PLU]	S48	→	CATEGORY FILE		Store the Category data, back to S mode.

3.33.2 Delete Category File

At Category programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S48.0	CATEG	0	NO SET	Enter Category File programming mode.
[1]	S48.0	CATEG	1	NO SET	Enter Category File 1.
[—]	S48.0	CATEG	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S48	→	CATEGORY FILE		Delete Category File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Category File cannot be deleted.

3.34 Breed File

Breed File is used to program Name of the Breed for Traceability Information programming and printed on Label or Receipt. To print Breed on the label, it is required to use a Free Format with a Breed print area programmed. Maximum 9999 Breeds can be programmed and maximum 16 characters can be entered per File, each with 1 line.

Note: To enable this Programming Mode, **SPEC 258** must set to "YES" in advance.

3.34.1 Program Breed File

At Programming Mode, select Breed programming mode and then enter new Breed number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[4][9][*]	S49.0	BREED	0	NO SET	Enter Breed File programming mode.
[1][*]	S49.1	BREED		NAME 0	Enter Breed number.(Ex. 1)
[B][R][E][E][D][SP] [#][1]	S49.1	BREED		NAME 8	Enter the Breed File as the same procedures as Commodity Name Entry. (Ex. "BREED #1")
[PLU]	S49	→	BREED FILE		Store the Breed data, back to S mode.

3.34.2 Delete Breed File

At Breed programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S49.0	BREED	0	NO SET	Enter Breed File programming mode.
[1]	S49.0	BREED	1	NO SET	Enter Breed File 1.
[—]	S49.0	BREED	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S49	→	BREED FILE		Delete Breed File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Breed File cannot be deleted.

3.35 Traceability File

Traceability file will allow user to pre-program all the Traceability information. And call up the information in registration mode just by entering the Traceability Number. It can also be linked to a PLU in programming mode, up to 999999 Traceability records (Traceability #1 ~ 999999) can be set.

Traceability Program Files is as following:

- Born Country
- Fatten Country
- Slaughter House / Slaughter Country
- Cutting Hall / Cutting Country
- Country of Origin
- Reference Number / Reference Number Type
- GTIN
- Lot Number
- Kind
- Category
- Breed
- Contact
- Eat by Date (Date format can be selected at SPEC 17)
- Maximum Weight
- Supplier Code
- Supplier Name
- Supplier Address 1
- Supplier Address 2

Note 1: The COUNTRY will be automatically filled if the Cutting Hall chosen has a link to the Country. It can also be set just like the Born/Fatten Country.

Note 2: There are 2 types of Reference Number can be selected at **SPEC 272**:

1) DATE (SWEDISH): The reference number is making up from SLAUGHTER HOUSE NUMBER (4 digits), CUTTING HALL NUMBER (4 digits) and DATE (6 digits). Total of 14 digits. The first 8 digits are automatically filled when SLAUGHTER HOUSE field and CUTTING HALL field are entered. The last 6 digits can be entered but must be a valid date.
2) CODE (FREE CODE): Can enter up to 20 alphanumeric characters. Press the box beside the REFERENCE NUMBER and the text entry screen will be displayed.

3.35.1 Program Traceability File

At Programming Mode, select Traceability programming mode and then enter new Traceability number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[3][7][*]	S37.0	TRACE	0	NO SET	Enter Traceability File programming mode.
[1][*]	S37.1	TRACE	0	BORN	Enter Traceability number. (Ex. 1)
[1][*]	S37.2	TRACE	0	FATTEN	Enter Born Country number. (Ex. 1)
[1][*]	S37.3	TRACE	0	S HOUSE	Enter Fatten Country number. (Ex. 1)
[1][*]	S37.4	TRACE	0	LNK 1	Enter Slaughter House number. (Ex. 1)
[1][*]	S37.5	TRACE	0	C HALL	Link Country # for Slaughter House. (Ex. 1)
[1][*]	S37.6	TRACE	0	LNK 1	Enter Cutting Hall number. (Ex. 1)
[1][*]	S37.7	TRACE	0	ORIGIN	Link Country # for Cutting Hall. (Ex. 1)
[1][*]	S37.8	R-CD		NAME 0	Enter Origin Country number. (Ex. 1)
[1][2][3][4][*]	S37.9	GTIN		NAME 0	Enter Reference Code. (Ex. “1234”)
[A][B][C][D][*]	S37.10	LOT		NAME 0	Enter GIN. (Ex. “ABCD”)
[5][6][7][8][A][*]	S37.11	TRACE	0	KIND	Enter LOT. (Ex. “5678A”
[1][*]	S37.12	TRACE	0	CATEG	Enter Kind number. (Ex. 1)
[1][*]	S37.13	TRACE	0	BREED	Enter Category number. (Ex. 1)
[1][*]	S37.14	CONT		NAME 0	Enter Breed number. (Ex. 1)
[C][#][1][*]	S37.15	TRACE	000000	EAT D	Enter Contact. (Ex. “C#1”)
[3][1][1][2][1][3][*]	S37.16	TRACE	0.000	WEIGHT	Enter Eat by Date. (Ex. 311213)
[1][5][0][0][*]	S37.17	S CD		NAME 0	Enter Maximum Weight. (Ex. 1.500kg)
[S][SP][C][D][SP] [#][sp][1][*]	S37.18	S NM		NAME 0	Enter Supplier Code. (Ex. S CD # 1)
S][SP][N][M][SP] [#][sp][1][*]	S37.19	S AD1		NAME 0	Enter Supplier Name. (Ex. S NM # 1)
S][SP][A][D][SP] [#][sp][1][*]	S37.20	S AD2		NAME 0	Enter Supplier Address1. (Ex. S AD # 1)
S][SP][C][D][SP] [#][sp][2]	S37.21	TRACE		NAME 0	Enter Supplier Address2. (Ex. S AD # 2)
[PLU]	S37	→	TRACEABILITY		Store the Traceability data, back to S mode.

3.35.2 Delete Traceability File

At Traceability programming mode, enter existing File Number (Ex. 1) to be deleted.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S37.0	TRACE	0	NO SET	Enter Traceability File programming mode.
[1]	S37.0	TRACE	1	NO SET	Enter Traceability File 1.
[—]	S37.0	TRACE	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S37	→	TRACEABILITY		Delete Traceability File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Traceability File cannot be deleted.

3.36 Stock Key File

Stock Key File is used to program Stock Function Key which can be used via function key #100.

Note: To enable this Programming Mode, **SPEC 475** must set to "ALLOW" in advance.

3.36.1 Program Stock Key File

At Programming Mode, select Stock Key programming mode and then enter new Stock Key number (Ex. 1) programming mode.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S1	→	PLU	FILE	Enter S mode.
[5][1][*]	S51.0	STOCK	0	NO SET	Enter Stock File programming mode.
[1][*]	S51.1	STOCK		WEIGHT	Enter Stock number.(Ex. 1)
[X][*]	S51.2	STOCK		TP 0	Select stock type. (Ex. Quantity)
[O][R][D][E][R][*]	S51.3	STOCK		L2 0	Enter stock name in T.P. display. (Ex. "ORDER")
[O][R][D][E][R][*]	S51.4	STOCK	0	PT 0	Enter stock name in 2nd line display. (Ex. "ORDER")
[O][R][D][E][R]…[*]	S51.5	STOCK	PREFIX	INHIBIT	Enter stock name printed on stock list as title. (Ex. "ORDER LIST")
[*]	S51.6	STOCK	REASON	INHIBIT	Select whether enter prefix code.
[*]	S51.7	STOCK	DP	INHIBIT	Select whether enter reason.
[*]	S51.8	STOCK	PLU	ALL	Select whether use dot point in SPEC.
[*]	S51.9	STOCK	SHOP	INHIBIT	Select PLU type.
[X][X]	S51.10	STOCK	SHOP	SHOP	Select shop type. (Ex. Shop)
[PLU]	S51	→	STOCK KEY FILE		Store the Breed data, back to S mode.

3.36.2 Delete Stock Key File

At Stock Key programming mode, enter existing File Number (Ex. 1) to be deleted.

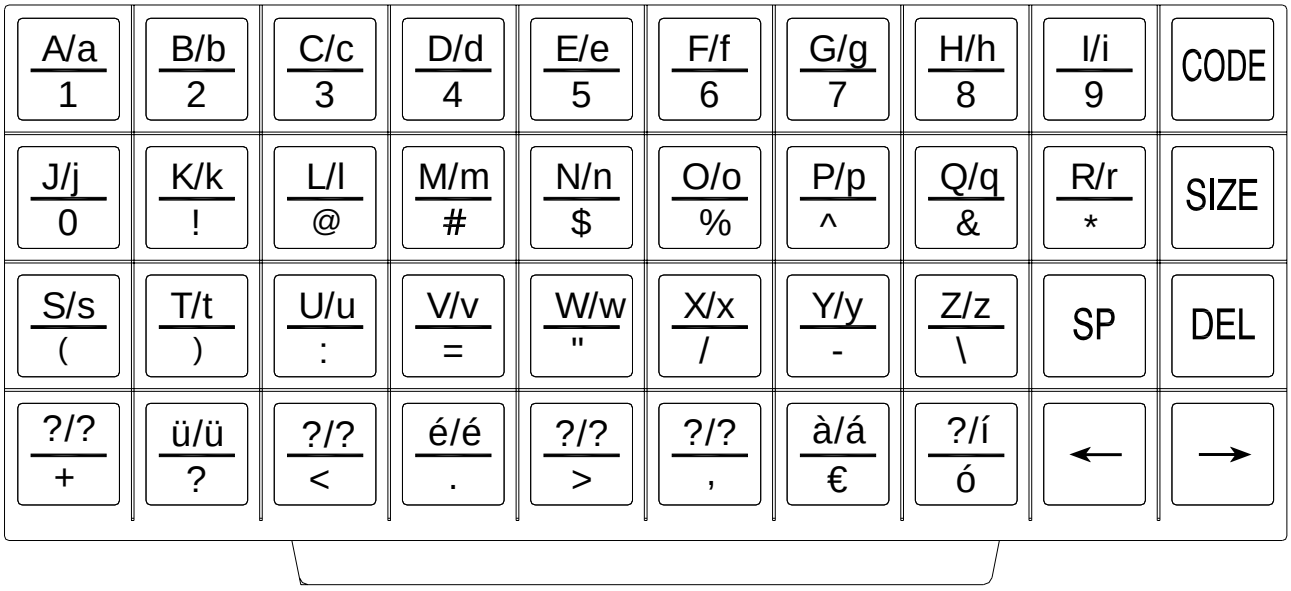
OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	S51.0	STOCK	0	NO SET	Enter Stock Key File programming mode.
[1]	S51.0	STOCK	1	NO SET	Enter Stock Key File 1.
[—]	S51.0	STOCK	DEL ?	Y-C N-T	Enter delete mode. [C] for Yes, [T] for No.
[C]	S51	→	STOCK KEY FILE		Delete Key File 1, back to S mode.

Note1: If you want to cancel the deletion, press [T] key to exit.

Note2: Non-existing Stock Key File cannot be deleted.

3.37 ASCII Character Input Method

Insert Key-sheet for ASCII Character Input: (For standard version)



Each key includes 3-4 ASCII character.

Example: Key [A/a/1/!] includes ASCII character: A, a and 1.

Operation	ASCII	Display	Indicate	Remarks
Depress the key one time	INPUT 'A'	A	Lamp P turns on	*note 1
Depress the key two times	INPUT 'a'	a	Lamp P turns off	*note2
Depress the key three times	INPUT '1'	1	Lamp P turns off	*note3

Note1: Lamp P turning on indicates capital letter is use in PLU programming.

Note2: After one letter input, the indicator under the letter is flicker 1.5 seconds.

Note3: When the indicator under the letter is flicker, depress the same key can change the input to the next ASCII character.

3.38 ASCII Code Input Method

ASCII Code Input Method is another kind of input method for ASCII character entry. [CODE] Key can switch the input method between ASCII Code Input Method and ASCII Character Key In Method.

Example: Use the ASCII Code Input Method to entry commodity name. (CAKE)

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
……	……	……	……	……	……
	S1.3	C01.01		S1 A 22	Enter commodity name.
[CODE]	S1.3	C01.01	A-	S1 A 22	Press [CODE] to switch to ASCII Code Input .
[6][7]	S1.3	C01.02	A-	S1 A 21	ASCII Code 67 figures Character 'C'.
[6][5]	S1.3	C01.03	A-	S1 A 20	ASCII Code 65 figures Character 'A'.
[7][5]	S1.3	C01.04	A-	S1 A 19	ASCII Code 75 figures Character 'K'.
[6][9]	S1.3	C01.05	A-	S1 A 18	ASCII Code 69 figures Character 'E'.
[CODE]	S1.3	C01.01	CAKE	S1 A 18	Switch to key in method. The inputted characters will be displayed in the Unit Price window.
……	……	……	……	……	……

Note1: Decimal digital from 32 to 255 can be entered. Each Decimal digital figures one ASCII Character.

Note2: Different Countries can refer to the local ASCII Code List.

4. REGISTRATION MODE

4.1 ON/OFF

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Power on.	[ON/OFF]	0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0				
		1 1 1 1	1 1 1 1 1	1 1 1 1 1 1	1 1 1 1 1 1 1				
		2 2 2 2	2 2 2 2 2	2 2 2 2 2 2	2 2 2 2 2 2 2				
		1 3 3 3	3 3 3 3 3	3 3 3 3 3 3	3 3 3 3 3 3 3				
		4 4 4 4	4 4 4 4 4	4 4 4 4 4 4	4 4 4 4 4 4 4				
		5 5 5 5	5 5 5 5 5	5 5 5 5 5 5	5 5 5 5 5 5 5				
		6 6 6 6	6 6 6 6 6	6 6 6 6 6 6	6 6 6 6 6 6 6				
		7 7 7 7	7 7 7 7 7	7 7 7 7 7 7	7 7 7 7 7 7 7				
		8 8 8 8	8 8 8 8 8	8 8 8 8 8 8	8 8 8 8 8 8 8				
		9 9 9 9	9 9 9 9 9	9 9 9 9 9 9	9 9 9 9 9 9 9				
		* * * *	* * * * *	* * * * * *	* * * * * * *				
		. . . .	. . . . .	. . . . . .	. . . .				
		, , , ,	, , , , ,	, , , , , ,	, , , , , , ,				
		^ ^ ^ ^	^ ^ ^ ^ ^	^ ^ ^ ^ ^ ^	^ ^ ^ ^ ^ ^ ^				
		8 8 8 8	8 8 8 8 8	8 8 8 8 8 8	8 8 8 8 8 8 8				
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Power off.	[ON/OFF]								

4.2 Reset and Weighing Check

All weighing operations will be performed based on the procedure shown below. Operator should check this operation before any transactions.

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status.		0.0 0 0	0.0 0	0.0 0	0.0 0	▼			
Reset the zero point.	[REZERO]	8 8 8 8	8 8 8 8 8	8 8 8 8 8 8	8 8 8 8 8 8 8				
		0.0 0 0	0.0 0	0.0 0	0.0 0	▼			
Place an item on the platter. (e.g. 1.00kg)		0.0 0 0	1.0 0 0	0.0 0	0.0 0				
	[1] [2] [0]	0.0 1 0	1.0 0 0	1.2 0	1.2 0				
Remove the item from platter.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.3 Tare Subtraction

4.3.1 One touch Tare Subtraction

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Put tare (e.g 30 g) on platter.		0.0 0 0	0.0 3 0	0.0 0	0.0 0				
Subtract the tare weight.	[T]	0.0 3 0	0.0 0 0	0.0 0	0.0 0		▼		
Remove the tare weight		0.0 3 0	- 0.0 3 0	0.0 0	0.0 0	▼	▼		
Clear the tare weight.	[T]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.3.2 Digital tare Subtraction

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Key in the tare weight (e.g 5g).	[5]	0.0 0 0	0.0 0 0	0.0 5	0.0 0	▼			
Subtract the tare weight (Assume 15kg).	[T]	0.0 0 5	- 0.0 0 5	0.0 0	0.0 0	▼	▼		
Clear the tare weight.	[T]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.4 PLU Call Up

There are three ways to cal up programmed PLU:

- Manual PLU Call Up
- By press assigns to the preset key that desired PLU.
- Auto PLU Call Up.

Note: The machine beeps if incorrect operation is performed when during PLU calls up.

- call Non-Weighed PLU up when something is on the platter.
- Non-PLU with the entered number exists.
- PLU Preset Key not set.

4.4.1 Manual PLU Call Up

Manual PLU Call up is by enter the PLU Number by numeric Keys and then follow by pressing **[PLU]** key on Keypad.

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Enter the PLU No. of the Beef steak.(Ex.No.10)	[0] [1] [0]	0.0 0 0	0.0 0 0	1.00	0.0 0	▼			
Press PLU key.	[PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			
Clear the PLU and return to Stand-by-status.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.4.2 PLU Call Up by Preset Key

To enable this function, the PLU must assign on the Preset Key in advance.

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Press the Preset key where desired PLU is assigned.	[P1]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			
Clear the PLU and return to Stand-by-status.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.4.3 PLU Call by Numeric Key (Auto PLU Call)

There are two type of Auto PLU Call, by enter the Specification Digits of the PLU Number or by TIME-OUT is depending on Spec Setting.(Spec39 and Spec40)

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Enter the PLU No. of the Beef steak	[0] [1] [0]	0.0 0 0	0.0 0 0	0.1 0	0.0 0	▼			
					BEEF STEAK				
		0.0 0 0	0.0 0 0	1.20	0.00				
Clear the PLU and return to Stand-by-status.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.5 Fix Operation

4.5.1 Fix Tare by FIX Key

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Put tare (e.g 30 g) on platter.		0.0 0 0	0.0 3 0	0.0 0	0.0 0				
Subtract the tare weight.	[T]	0.0 3 0	0.0 0 0	0.0 0	0.0 0		▼		
Fix tare.	[FIX]	0.0 3 0	0.0 0 0	0.0 0	0.0 0		▼	▼	
Cancel fix tare by FIX key.	[FIX]	0.0 3 0	0.0 0 0	0.0 0	0.0 0		▼		
Add tare (e.g 10 g) on platter.		0.0 3 0	0.0 1 0	0.0 0	0.0 0				
Subtract the tare weight.	[T]	0.0 4 0	0.0 0 0	0.0 0	0.0 0		▼		
Fix tare.	[FIX]	0.0 4 0	0.0 0 0	0.0 0	0.0 0		▼	▼	
Remove the tare weight.		0.0 4 0	- 0.0 4 0	0.0 0	0.0 0	▼	▼	▼	
Key in the tare weight (e.g 50g).	[5] [0]	0.0 4 0	- 0.0 4 0	0.5 0	0.0 0	▼	▼	▼	
Set new tare and cancel fix tare by T key.	[T]	0.0 5 0	- 0.0 5 0	0.0 0	0.0 0	▼	▼		
Fix tare.	[FIX]	0.0 5 0	- 0.0 5 0	0.0 0	0.0 0	▼	▼	▼	
Clear the tare weight and fix tare.	[T]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.5.2 Fix PLU by FIX Key

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Enter the PLU No. of the Beef steak	[1] [0]	0.0 0 0	0.0 0 0	0.1 0	0.0 0	▼			
Press PLU key.	[PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			
Fix PLU.	[FIX]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			▼
Cancel fix PLU by FIX key.	[FIX]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			
Enter the PLU No. of the Beef steak	[1] [0]	0.0 0 0	0.0 0 0	0.1 0	0.0 0	▼			
Press PLU key.	[PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			
Fix PLU.	[FIX]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼			▼
Enter the PLU No. of the Roast Beef.	[2] [0]	0.0 0 0	0.0 0 0	0.2 0	0.0 0	▼			▼
Call up PLU and cancel fix P.	[PLU]	0.0 0 0	0.0 0 0	2.4 0	0.0 0	▼			
Fix PLU	[FIX]	0.0 0 0	0.0 0 0	2.4 0	0.0 0	▼			▼
Clear PLU and fix PLU.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.5.3 Fix Unit Price by FIX Key

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			
Enter unit price.	[1] [0] [0]	0.0 0 0	0.0 0 0	1.0 0	0.0 0	▼			
Fix unit price.	[FIX]	0.0 0 0	0.0 0 0	1.0 0	0.0 0	▼			▼
Cancel fix unit price.	[FIX]	0.0 0 0	0.0 0 0	1.0 0	0.0 0	▼			
Enter unit price.	[2] [0] [0]	0.0 0 0	0.0 0 0	2.0 0	0.0 0	▼			
Fix unit price.	[FIX]	0.0 0 0	0.0 0 0	2.0 0	0.0 0	▼			▼
Clear unit price and fix unit price.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			

4.6 Operation Mode Change

		1 - ZERO	2 - NET	3 - PREPACK	4 - MANUAL	5 - LABEL				
OPERATION	**KEYS**	**PT kg**	**Kg**	**$/kg**	**$**	**1**	**2**	**3**	**4**	**5**
Receipt mode.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				
Depress [MODE] key while depressing	[REZERO]	8 8 8 8	8 8 8 8 8	8 8 8 8 8 8	8 8 8 8 8 8 8					
[REZERO] key.	[REZERO]+[MODE]			LABEL	MODE				▼	▼
Set to label manual mode.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼			▼	▼
Depress [MODE] key while depressing	[REZERO]	8 8 8 8	8 8 8 8 8	8 8 8 8 8 8	8 8 8 8 8 8 8					
[REZERO] key.	[REZERO]+[MODE]			RECEIPT	MODE					
		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				
Set to receipt mode.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				

4.7 Item Label Printing in Manual Mode

You can use this operation to print out item labels for a PLU or Non-PLU of Weighing Item or Non-weighing Item. Before the operation, check the following point.

- Press [REZERO] and [MODE] to select LABEL mode.
- Check whether the Label Size fits the programmed one in PLUs when label is used.

4.7.1 Label Printing for PLU Item

For example: Sell 1kg of BEEF STEAK(Ex. PLU #: 10) (Weighing Item).

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P 5 - MANUAL 6 - LABEL

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4	5	6
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼
Enter the PLU No. of the Beef steak.	[1] [0]	0.0 0 0	0.0 0 0	0.1 0	0.0 0	▼				▼	▼
Press PLU key.	[PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼				▼	▼
Place the product on the platter. (e.g. 1kg)		0.0 0 0	1.0 0 0	1.2 0	1.2 0					▼	▼
Print out one item label.	[*]	0.0 0 0	1.0 0 0	1.2 0	1.2 0	▼				▼	▼
Remove the product from the platter.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼

For example: Sell one pack of SMOKED SAUSAGE (Ex. PLU #: 30) and sell five packs of SLICED BACON (Ex. PLU #: 40). (Non-weighing Item)

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P 5 - MANUAL 6 - LABEL

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4	5	6
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼
Enter the PLU No. of the Smoked Sausage.	[3] [0]	0.0 0 0	0.0 0 0	0.3 0	0.0 0	▼				▼	▼
Press PLU key.	[PLU]			2.5 0	PR-PCS					▼	▼
Press [*] key to print label.	[*]	0.0 0 0	0.0 0 0	0.0 0	1.2 0	▼				▼	▼
Enter the PLU No. of the Sliced Bacon.	[4] [0]	0.0 0 0	0.0 0 0	0.4 0	0.0 0	▼				▼	▼
Press PLU key.	[PLU]			3.2 0	PR-PCS					▼	▼
Multiply.	[X]		QTY 1	3.2 0	3.2 0					▼	▼
5 packs.	[5]		QTY 5	3.2 0	1 6.0 0					▼	▼
Print out one item label.	[*]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼

4.7.2 Label Printing for NON-PLU Item

It is possible to print item label for Non-PLU Item at Manual Mode. The Non-PLU Item will be cleared is a PLU is called up or **[C]** key is pressed.

Note: For Weighing of Non-PLU Item will be registered to PLU # 999998.

For Non-weight of Non-PLU item, will be registered to PLU # 999999.

For example: Enter the Price for Non-PLU item (Ex. 5.00) by numeric key.

Note: For Non-weight Item, just press **[*]** key to issue out a label or press **[X]** key to enter multiply mode, then enter sale quantity and press **[*]** key to issue label.

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P 5 - MANUAL 6 - LABEL

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4	5	6
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼
Enter the unit price	[5] [0] [0]	0.0 0 0	0.0 0 0	5.0 0	0.0 0	▼				▼	▼
Multiply.	[X]		QTY 1	5.00	5.00					▼	▼
5 packs.	[5]		QTY 5	5.0 0	25.0 0					▼	▼
Print out one item label.	[*]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼

4.8 Total Label Printing in Manual Mode

This operation is used for printing total label in Manual Mode.

4.8.1 Sales Transaction

This section shows how to operate the transactions with Clerk key. The designated Clerk key accumulates each transaction data and **Total Label** will be issued.

For example: Sells 1.5 kg of HERB CHEESE(Ex. PLU #: 3) and 2 packs of SKIM MILK(Ex. PLU # 302) for customer A.

			1 - ZERO	2 - NET	3 - V1	4 - V2	5 - V3	6 - V4			
OPERATION	**KEYS**	**PT kg**	**Kg**	**$/kg**	**$**	**1**	**2**	**3**	**4**	**5**	**6**
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					
Enter the PLU No. of the HERB CHEESE	[3][PLU]	0.0 0 0	0.0 0 0	5.0 0	0.0 0	▼					
Place the product on the platter. (1.5kg)		0.0 0 0	1.5 0 0	5.0 0	7.5 0						
Register sales item to Vender1.	[V1]	-V1-	TOTAL	1PCS	7.5 0			▼			
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			
Enter the PLU No. of the SKIM MILK	[3][0][2][PLU]			3.0 0	PR-PCS			▼			
Enter the sell Qty (Ex. 2 packs)	[X][2]		QTY 2	3.0 0	6.0 0			▼			
Register sales item to Vender1.	[V1]	-V1-	TOTAL	3PCS	13.5 0			▼			
Print out one total label.	[*]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					

4.8.2 [PRICE DISCOUNT] Function Key in Add Mode

This function key is used to get the desirable discounted total price in Add. Mode by subtracting the discount value from the original total price when issuing total label or receipt. The formula is shown as follows

PRICE TO PAY = ORIGINAL TOTAL PRICE - ENTERED DISCOUNT VALUE

Note: Prior to this operation, **[PRICE DISCOUNT]** Function should be assigned to Preset Key in advance (Ex. Assign to Preset Key No.2).

			1 - ZERO	2 - NET	3 - V1	4 - V2		5 - V3		6 - V4	
OPERATION	**KEYS**	**PT kg**	**Kg**	**$/kg**	**$**	**1**	**2**	**3**	**4**	**5**	**6**
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					
Enter the PLU No. of the Beef steak.	[1] [0]	0.0 0 0	0.0 0 0	0.1 0	0.0 0	▼					
Press PLU key.	[PLU]	0.0 0 0	0.0 0 0	1.20	0.0 0						
Place the product on the platter. (e.g. 1kg)		0.0 0 0	1.0 0 0	1.20	1.2 0						
Register sales item to Vender1.	[V1]	-V1-	TOTAL	1PCS	1.2 0			▼			
Press [P2] key.	[P2]	-V1-	DISC		0.00			▼			
Enter discount value. (Ex. $ 0.20)	[2] [0]	-V1-	DISC		0.20			▼			
Confirm.	[*]	-V1-	TOTAL	1PCS	1.00			▼			
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			

4.8.3 [PRICE % DISCOUNT] Function Key in Add Mode

This function key is used to get the desirable discounted total price in Add Mode by setting the discount % value from the original total price when issuing total label or receipt. The formula is shown as follows

PRICE TO PAY = ORIGINAL TOTAL PRICE x (100% - DISCOUNT % VALUE)

Note: Prior to this operation, **[PRICE % DISCOUNT]** Function should be assigned to Preset Key in advance (Ex. Assign to Preset Key No.3).

						1 - ZERO	2	2 - NET	4	3 - V1	6
OPERATION	**KEYS**	**PT kg**	**Kg**	**$/kg**	**$**	**1**	**2**	**3**	**4**	**5**	**6**
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					
Enter the PLU No. of the Beef steak.	[1] [0]	0.0 0 0	0.0 0 0	0.1 0	0.0 0	▼					
Press PLU key.	[PLU]	0.0 0 0	0.0 0 0	1.20	0.0 0						
Place the product on the platter. (e.g. 1kg)		0.0 0 0	1.0 0 0	1.20	1.2 0						
Register sales item to Vender1.	[V1]	-V1-	TOTAL	1PCS	1.2 0			▼			
Press [P3] key.	[P1]	-V1-	DISC	RATE	0.00			▼			
Enter discount rate. (Ex.10%)	[1] [0] [0] [0]	-V1-	DISC	RATE	10.00			▼			
Confirm.	[*]	-V1-	TOTAL	1PCS	1.08			▼			
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			

4.9 Data Correction

The data correction during accumulating operation is to correct sales transaction data when customer canceled the purchases or operators make a mistake before issuing Total Label or Receipt. The corrected item data is printed with two lines crossed on the Total Receipt.

SM-120(LL) has 2 correcting functions as follows:

1) **On-the-spot Correction**

   Is to void the last item data during accumulating operation.

2) **Void by Item Correction**

   Is to void sales data by tracing transaction number during accumulating operation.

4.9.1 On The Spot Correction

This function is to void the last item data of an accumulating operation, when an operator noticed it was a mistake or a customer canceled purchase before issuing a Receipt or Total Label. It is effective for either weighed or non-weighted item in the last transaction.

Transaction Example Vender 1: (1) 1kg of BEEF STEAK.

(2) One pack of Smoked Sausage.

(3) More 5kg of BEEF STEAK.

But customer canceled 5kg of BEEF STEAK accumulated in the last operation.

			1 - ZERO	2 - NET	3 - V1	4 - V2		5 - V3			6 - V4
OPERATION	**KEYS**	**PT kg**	**Kg**	**$/kg**	**$**	**1**	**2**	**3**	**4**	**5**	**6**
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					
Enter the PLU No. of the Beef Sirloin.	[1] [0] [PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼					
Place the product on the platter. (e.g. 1kg)		0.0 0 0	1.0 0 0	1.2 0	1.2 0						
Register sales item to Vender1	[V1]	-V1-	TOTAL	1PCS	1.2 0			▼			
Remove the product from the platter.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			
Enter the PLU No. of the Smoked Sausage.	[3] [0] [PLU]			2.5 0	PR-PCS			▼			
Register sales item to Vender1	[V1]	-V1-	TOTAL	2PCS	3.7 0			▼			
Enter the PLU No. of the Beef Sirloin.	[1] [0] [PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼		▼			
Place the product on the platter. (e.g. 5kg)		0.0 0 0	5.0 0 0	1.2 0	6.0 0			▼			
Register sales item to Vender1	[V1]	-V1-	TOTAL	3PCS	9.7 0			▼			
Delete the last item entry.	[－]	-V1-	TOTAL	2PCS	3.7 0			▼			
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			

4.9.2 Void by Item Correction

This function is to void the **specified transaction** during an accumulating operation. Operator can designate the number of transaction to be voided even if plural transactions for the same item are performed.

Transaction example Vender 1: (1) 1kg of BEEF STEAK.

(2) One pack of Smoked Sausage.

(3) More 5kg of BEEF STEAK.

But customer canceled One pack of Smoked Sausage in the 2nd transaction.

1 - ZERO 2 - NET 3 - V1 4 - V2 5 - V3 6 - V4

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4	5	6
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					
Enter the PLU No. of the Beef Sirloin.	[1] [0] [PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼					
Place the product on the platter. (e.g. 1kg)		0.0 0 0	1.0 0 0	1.2 0	1.2 0						
Register sales item to Vender1	[V1]	-V1-	TOTAL	1PCS	1.2 0			▼			
Remove the product from the platter.	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			
Enter the PLU No. of the Smoked Sausage.	[3] [0] [PLU]			2.5 0	PR-PCS			▼			
Register sales item to Vender1	[V1]	-V1-	TOTAL	2PCS	3.7 0			▼			
Enter the PLU No. of the Beef Sirloin.	[1] [0] [PLU]	0.0 0 0	0.0 0 0	1.2 0	0.0 0	▼		▼			
Place the product on the platter. (e.g. 5kg)		0.0 0 0	5.0 0 0	1.2 0	6.0 0			▼			
Register sales item to Vender1	[V1]	-V1-	TOTAL	3PCS	9.7 0			▼			
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			
Enter into Item Correction mode.	[—]			ITEM	VOID			▼			
Select Vender1..	[V1]		VD 1	1PCS	1.2 0			▼			
[<<] or [>>] to search the item.	[>>]		VD 2	1PCS	2.5 0			▼			
Delete the selected item.	[*]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			
Check Vender1 sale total.	[V1]	-V1-	TOTAL	2PCS	7.2 0			▼			
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼		▼			

4.10 Item Label Printing in Pre-pack Mode

Pre-pack Mode can be switched from Manual mode by pressing **[AUTO]** key. In this mode, the following functions are available,

(1) For weighing item, label is automatically issued (without pressing **[*]** key) after the weight of the item gets stable. The machine keeps the PLU data until **[C]** key is pressed.

(2) For non-weighing item, the next label is automatically issued (without pressing **[*]** key) after a label is taken away. The machine keeps the PLU data until **[C]** key is pressed.

4.10.1 Item Label Issue for PLU Item

For example: To weighing (Ex. 1kg) 20 packs of FRIED POTATOES (Weighing Item, PLU #8)

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P 5 - PREPACK 6 - LABEL

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4	5	6
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼					▼
Press [AUTO] key	[AUTO]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼
Enter the PLU No. of the FRIED POTATOES (Ex. PLU#8).	[8][PLU]	0.0 0 0	0.0 0 0	2.2 3	0.0 0	▼				▼	▼
Place the product on the platter. (e.g. 1kg) (The label automatically issued)		0.0 0 0	1.0 0 0	2.2 3	2.2 3					▼	▼
Remove the product from platter and take the label off..		0.0 0 0	0.0 0 0	2.2 3	0.0 0	▼				▼	▼
Repeat the above 3 and 4 step to weighing the next pack, until the last packed is weighed.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼

For example: issue 20 labels of SMOKED SAUSAGE (Non-Weighing Item, PLU #30).

1 - ZERO 2 - NET 3 - FIX T 4 - FIX P 5 - MANUAL 6 - LABEL

OPERATION	KEYS	PT kg	Kg	$/kg	$	1	2	3	4	5	6
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼
Enter the PLU No. of the Smoked Sausage.	[3] [0] [PLU]			2.5 0	PR-PCS					▼	▼
Prepare to issue label for non-weighing item.	[*]		LABEL	NUMBER	1					▼	▼
Enter number of labels to be printed, e.g. 20	[2][0]		LABEL	NUMBER	2 0					▼	▼
Print out the first label…	[*]		LABEL	COUNT	2 0					▼	▼
Print out the second label… *Note			LABEL	COUNT	1 9					▼	▼
……											
Print out the last label.			LABEL	COUNT	1					▼	▼
Stand-by-status.		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼

Note1: To cancel printing, depress C key.

4.10.2 Item Label Issue for NON-PLU Item

It is possible to print item label for Non-PLU Item at Pre-pack Mode. The Non-PLU Item will be cleared is a PLU is called up or **[C]** key is pressed.

For example: At Pre-pack Mode, enter the Price for Non-PLU item (Ex. 5.00) by numeric key.

		1 - ZERO	2 - NET	3 - FIX T	4 - FIX P	5 - PREPACK				6 - LABEL	
OPERATION	**KEYS**	**PT kg**	**Kg**	**$/kg**	**$**	**1**	**2**	**3**	**4**	**5**	**6**
At Pre-pack Mode		0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼
Enter the unit price(Ex.5.00)	[5][0][0]	0.0 0 0	0.0 0 0	5.0 0	0.0 0	▼				▼	▼
Place the product on the platter. (e.g. 1kg) (The label automatically issued)		0.0 0 0	1.0 0 0	5.0 0	5.0 0					▼	▼
Remove the product from platter and take the label off..		0.0 0 0	0.0 0 0	2.2 3	0.0 0	▼				▼	▼
	[C]	0.0 0 0	0.0 0 0	0.0 0	0.0 0	▼				▼	▼

Note1: For Non-weight Item, just press **[*]** key to start issuing out a label and registered to PLU # 999999.

Note2: For Weighing of Non-PLU Item will be registered to PLU # 999998.

5. READ REPORT MODE

5.1 Report Factor Select

Whether to use the following report print factors depends on the type of report. Please refer to Operation Flow in Report Mode.

PRINT LIMIT

For setting the report range, Department Number, Main Group Number or PLU Number to start and finish is to be entered.

LOWER LIMIT: DEPARTMENT: No.1 - No.99

MAIN GROUP: No.1 - No.999

UPPER LIMIT: DEPARTMENT: No.1 - No.99

MAIN GROUP: No.1 - No.999

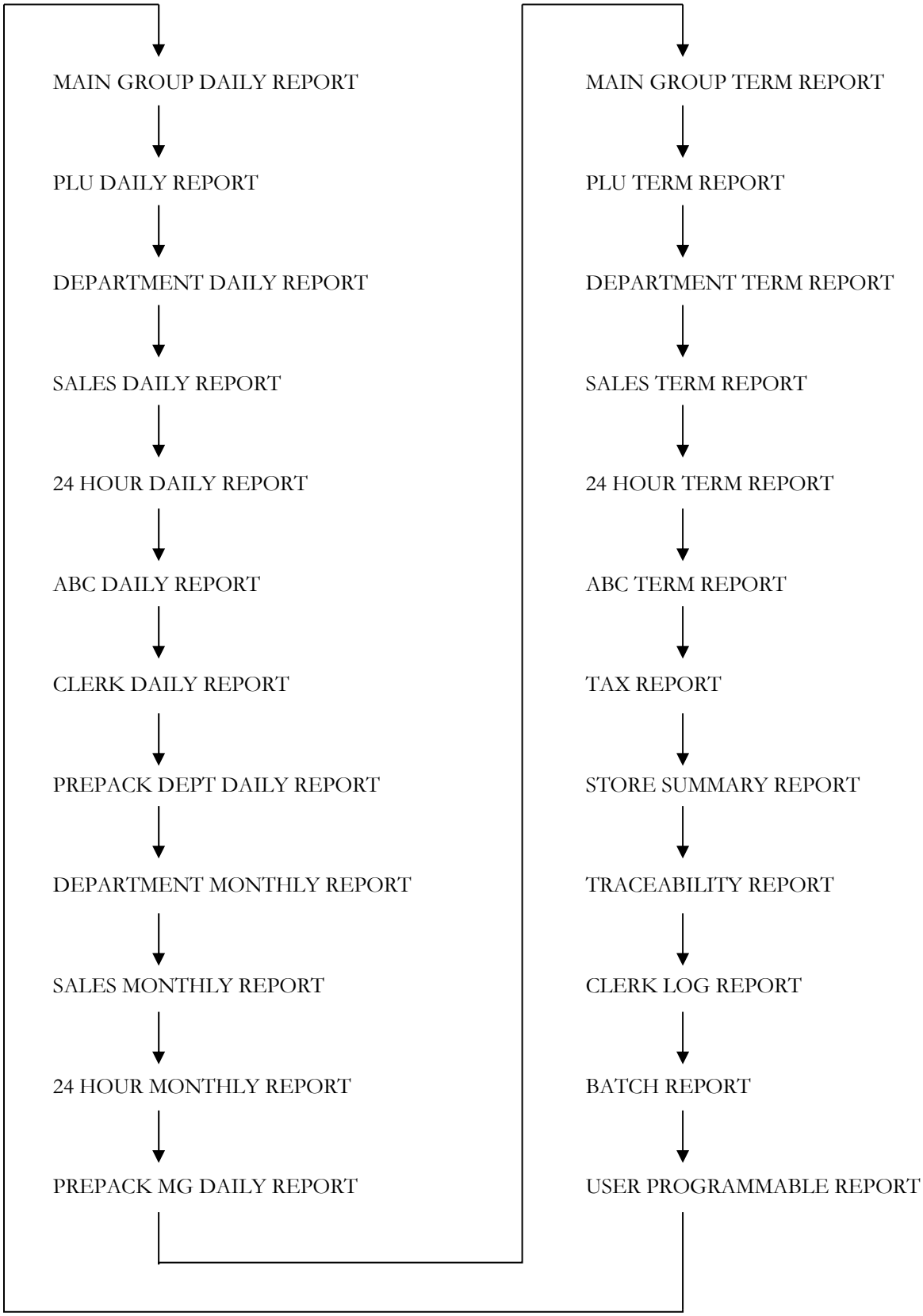
5.2 Report Type Selection

There are two ways to select the Report Type by using different keys such as:

- Preset keys that the desired Report Type is assigned to (Please refer to Report Mode Description).
- By press **[X]** or [≪][]]key to select the Report Type (Please refer to Note 1 at below).

Enter Report Mode ("**X**" Mode) from Stand-by Status.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
	0.000	0.000	0.00	0.00	Stand-by Status
[MODE][MODE]	X1.1	READ	MG	DAILY	Enter X mode.
[X]	X2.1	READ	PLU	DAILY	Press [X] key to select the Report Type.


MAIN GROUP DAILY REPORT
PLU DAILY REPORT
DEPARTMENT DAILY REPORT
SALES DAILY REPORT
24 HOUR DAILY REPORT
ABC DAILY REPORT
CLERK DAILY REPORT
PREPACK DEPT DAILY REPORT
DEPARTMENT MONTHLY REPORT
SALES MONTHLY REPORT
24 HOUR MONTHLY REPORT
PREPACK MG DAILY REPORT
MAIN GROUP TERM REPORT
PLU TERM REPORT
DEPARTMENT TERM REPORT
SALES TERM REPORT
24 HOUR TERM REPORT
ABC TERM REPORT
TAX REPORT
STORE SUMMARY REPORT
TRACEABILITY REPORT
CLERK LOG REPORT
BATCH REPORT
USER PROGRAMMABLE REPORT

5.2.1 Main Group Report

Printing report order for MAIN GROUP Daily/Term Read Report:

For example:

- MAIN GROUP LOWER LIMIT: **3**
- MAIN GROUP UPPER LIMIT: **996**

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Select M.G. Daily Read Report.
[*]	X1.1		1	ST NUM	Enter starting M.G.(Ex.3)
[3][*]	X1.1		3	ED NUM	Enter ending M.G.(Ex.996)
[9][9][6][*]			- REPORT	PRINTING -	Print M.G. daily Read Report
	X1.1	READ	MGROUP	DAILY	Display back to X mode.
[⩓] or [|] or [X]	X1.4	READ	MG	TERM	Select M.G. Term Read Report.
[*]	X1.4		1	ST NUM	Enter starting M.G.(Ex.3)
[3][*]	X1.4		3	ED NUM	Enter ending M.G.(Ex.996)
[9][9][6][*]			- REPORT	PRINTING -	Print M.G. Term Read Report.
	X1.4	READ	MG	TERM	Display back to X mode.

5.2.2 PLU Report

Printing report order for PLU Daily/Term Read Report:

For example:

- PLU NUMBER LOWER LIMIT: **3**
- PLU NUMBER UPPER LIMIT: **999996**

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≪] or [∏] or [X]	X2.1	READ	PLU	DAILY	Select PLU Daily Read Report.
[*]	X2.1		1	ST NUM	Enter starting PLU Number.(Ex.3)
[3][*]	X2.1		3	ED NUM	Enter ending PLU Number.(Ex.999996)
[9][9][9][9][9][6][*]			- REPORT	PRINTING -	Print PLU daily Read Report
	X2.1	READ	PLU	DAILY	Display back to X mode.
[≪] or [∏] or [X]	X2.4	READ	PLU	TERM	Select PLU Term Read Report.
[*]	X2.4		1	ST NUM	Enter starting PLU Number.(Ex.3)
[3][*]	X2.4		3	ED NUM	Enter ending PLU Number. (Ex.999996)
[9][9][9][9][9][6][*]			- REPORT	PRINTING -	Print PLU Term Read Report t
	X2.4	READ	PLU	PERIOD	Display back to X mode.

5.2.3 Department Report

Printing report order for DEPARTMENT Daily/Term Read Report:

For example:

- DEPARTMENT LOWER LIMIT: **3**
- DEPARTMENT UPPER LIMIT: **96**

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X3.1	READ	DEPT	DAILY	Select Dept. Daily Read Report.
[*]	X3.1		1	ST NUM	Enter starting Dept. Number.(Ex.3)
[3][*]	X3.1		3	ED NUM	Enter ending Dept. Number.(Ex.96)
[9][6][*]			- REPORT	PRINTING -	Print Dept. daily Read Report.
	X3.1	READ	DEPT	DAILY	Display back to X mode.
[≽] or [≼] or [X]	X3.4	READ	DEPT	TERM	Select Dept. Term Read Report.
[*]	X3.4		1	ST NUM	Enter starting Dept. Number.(Ex.3)
[3][*]	X3.4		3	ED NUM	Enter ending Dept. Number.(Ex.96)
[9][6][*]			- REPORT	PRINTING -	Print Dept. Term Read Report.
	X3.4	READ	DEPT	TERM	Display back to X mode.

5.2.4 Sales Report

Printing report order for SALES Daily/Term Read Report:

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X4.1	READ	SALES	DAILY	Select Sales Daily Read Report.
[*]			- REPORT	PRINTING -	Print Sales daily Read Report.
	X4.1	READ	SALES	DAILY	Display back to X mode.
[≽] or [≼] or [X]	X4.4	READ	SALES	TERM	Select Sales Term Read Report.
[*]			- REPORT	PRINTING -	Print Sales Term Read Report.
	X3.4	READ	DEPT	TERM	Display back to X mode.

5.2.5 24Hour Report

On 24 Hour Report, Sales transaction data can be printed on 24-HOUR Daily/Term Read Report

If you want to stop printing, press **[FEED]** key.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X5.1	READ	24 HOUR	DAILY	Select 24 HOUR Daily Read Report.
[*]			- REPORT	PRINTING -	Print 24-HOUR Daily Read Report.
	X5.1	READ	24 HOUR	DAILY	Display back to X mode.
[≽] or [≼] or [X]	X5.4	READ	24 HOUR	TERM	Select 24-HOUR Term Read Report.
[*]			- REPORT	PRINTING -	Print 24-HOUR Term Read Report.
	X5.4	READ	24 HOUR	TERM	Display back to X mode.

5.2.6 ABC Report

ABC Report is used to check the sales situation of PLUs. The share of PLUs against total sales price are printed on ABC Analysis Report by descending order. The printed shares by descending order are divided into 3 ranks: A rank, B rank and C rank.

1) **Rank A** includes PLUs whose accumulated share is less than 75%.
   *Even if the accumulated share exceeds 75%, the last PLUs will be included in **Rank A.**
2) **Rank B** includes PLUs whose accumulated share is between 75% ~ 95%.
   *Even if the accumulated share exceeds 95%, the last PLUs will be included in **Rank B**.
3) **Rank C** includes PLUs whose accumulated share is between 95% ~ 100%.
   *Even if the accumulated share exceeds 95%, the last PLUs will be included in **Rank B**.

For example: Printing report order for ABC Daily/Term Read Report:

- PLU NUMBER LOWER LIMIT: **1**
- PLU NUMBER UPPER LIMIT: **999**

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≪] or [≫] or [X]	X6.1	READ	ABC	DAILY	Select ABC Daily Read Report.
[*]	X6.1		1	ST NUM	Enter starting PLU NO.(Ex.1)
[1][*]	X6.1		2	ED NUM	Enter ending PLU NO.(Ex.999)
[9][9][9][*]			- REPORT	PRINTING -	Print ABC Daily Read Report.
	X6.1	READ	ABC	DAILY	Display back to X mode.
[≪] or [≫] or [X]	X6.4	READ	ABC	TERM	Select ABC Term Read Report.
[*]	X6.4		1	ST NUM	Enter starting PLU NO.(Ex.1)
[1][*]	X6.4		1	ED NUM	Enter ending PLU NO.(Ex.999)
[9][9][*]			- REPORT	PRINTING -	Print ABC Term Read Report.
	X6.4	READ	ABC	TERM	Display back to X mode.

5.2.7 Clerk Report

Clerk report is used to print out the total data such as total prices, total quantity and so on by every Clerk.

For example: Printing report order for CLERK Daily Read Report:

- CLERK NUMBER LOWER LIMIT: **1**
- CLERK NUMBER UPPER LIMIT: **4**

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X7.1	READ	CLERK	DAILY	Select Clerk Daily Read Report.
[*]	X7.1		1	ST NUM	Enter starting CLERK NO.(Ex.1)
[1][*]	X7.1		1	ED NUM	Enter ending CLERK NO.(Ex.4)
[4][*]			- REPORT	PRINTING -	Print Vender Daily Read Report t
	X7.1	READ	CLERK	DAILY	Display back to X mode.

5.2.8 Pre-pack Report

On Pre-pack Report, Total data of Pre-pack labels (Such as total price, total quantity, etc) can be printed on PREPACK DEPARTMENT REPORT or PREPACK MAIN GROUP REPORT.

For example: Printing report order for PREPACK DEPARTMENT/ MAIN GROUP REPORT:

- DEPARTMENT LOWER LIMIT: **1**
- DEPARTMENT UPPER LIMIT: **99**
- MAIN GROUP LOWER LIMIT: **1**
- MAIN GROUP UPPER LIMIT: **999**

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X8.1	READ	PPK DEPT	DAILY	Select Pre-pack Department Daily Read Report.
[*]	X8.1	DEPT	1	ST NUM	Enter starting Dept. Number.(Ex.1)
[1][*]	X8.1	DEPT	1	ED NUM	Enter ending Dept. Number.(Ex.99)
[9][9][*]			- REPORT	PRINTING -	Print Pre-pack Department Daily Read Report.
	X8.1	READ	PPK DEPT	DAILY	Display back to X mode.
[≽] or [≼] or [X]	X8.2	READ	PPK MG	DAILY	Select Pre-pack Main Group Daily Read Report.
[*]	X8.2	DEPT	1	ST NUM	Enter starting Dept. Number.(Ex.1)
[1][*]	X8.2	DEPT	1	ED NUM	Enter ending Dept. Number.(Ex.999)
[9][9][9][*]			- REPORT	PRINTING -	Print Pre-pack Main Group Daily Read Report
	X8.2	READ	PPK MG	DAILY	Display back to X mode.

5.2.9 Tax Report

Tax report is used to print out the Tax total data such as Tax Type, Tax rate, Amount Including Tax, Amount Excluding Tax, Tax Amount and so on by every Tax Number.

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≧] or [≦] or [X]	X9.4		READ	TAX	Select Tax Daily Read Report.
[*]	X9.4		1	ST NUM	Enter starting Tax Number.(Ex.1)
[1][*]	X9.4		1	ED NUM	Enter ending Tax Number.(Ex.3)
[3][*]			- REPORT	PRINTING -	Print Tax daily Read Report.
	X9.4		READ	TAX	Display back to X mode.

5.2.10 Store Summarized Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≧] or [≦] or [X]	X4.3	READ	STORE	SUMMARY	Select Store Summarized Daily Read Report.
[*]			- REPORT	PRINTING -	Print Store Summarized Daily Read Report.
	X4.3	READ	STORE	SUMMARY	Display back to X mode.

5.2.11 Traceability Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≧] or [≦] or [X]	X0.1	TRACEABILITY		REPORT	Select Traceability Report.
[*]			- REPORT	PRINTING -	Print Traceability Report.
	X0.1	TRACEABILITY		REPORT	Display back to X mode.

5.2.12 Clerk Log Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≧] or [≦] or [X]	X0.2	CLERK	LOG	REPORT	Select Clerk Log Report.
[*]	X0.2		1	ST NUM	Enter Start Clerk num. (Ex.2)
[2] [*]			2	ED NUM	Enter End Clerk num. (Ex.99)
[9][9][*]			- REPORT	PRINTING -	Print Clerk Log Report.
	X0.2	CLERK	LOG	REPORT	Display back to X mode.

5.2.13 Batch Report

- Program Batch Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X0.3		BATCH	REPORT	Select Batch Report.
[*]	X0.3		0	PRINT	Select Program mode, and enter Batch Report number. (Ex.1)
[X][1][*]	P0.30	BATCH	1	NO SET	Enter Batch Sequence number.
[*]	P0.31			MG DAILY	Select report type. (Ex. PLU daily)
[X][*]	P0.32	BATCH	0	ST NUM	Enter Start num. (Ex.2)
[2][*]	P0.33	BATCH	0	ED NUM	Enter End num. (Ex.99)
[9][9] [*]	P0.30	BATCH	2	NO SET	Enter Batch Sequence number.
[*]	P0.31			MG DAILY	Select report type. (Ex. Sales daily)
[X][X][X][*]	P0.30	BATCH	3	NO SET	Store Batch Report.
[PLU]	X0.3		BATCH	REPORT	Display back to X mode.

- Print Batch Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X0.3		BATCH	REPORT	Select Batch Report.
[*]	X0.3		0	PRINT	Enter Batch Report number. (Ex.1)
[1][*]			- REPORT	PRINTING -	Print Batch Report.
	X0.3		BATCH	REPORT	Display back to X mode.

5.2.14 User Programmable Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter X mode	X1.1	READ	MG	DAILY	Lamp X turns on.
[≽] or [≼] or [X]	X0.4	USER	PROGRAM	REPORT	Select User Program Report.
[*]	X0.4	U RPT	0	NO SET	Enter User Program Report number. (Ex.1)
[1][*]			- REPORT	PRINTING -	Print User Program Report.
	X0.4	USER	PROGRAM	REPORT	Display back to X mode.

6. RESET REPORT MODE

6.1. Reset Report

6.1.1 Sales Daily / Monthly/Term Reset Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter Z mode	Z1.0	RESET	SALES	DAILY	Lamp Z turns on.
[*]	RESET	REPORT	?	Y-C N-T	Enter Reset mode. [C] for Yes, [T] for No.
[C]	Z1.0	RESET	SALES	DAILY	Display back to Z mode.
[≧] or [≦] or [X]	Z2.0	RESET	SALES	MONTHLY	Select Sales Monthly Reset Report.
[*]	RESET	REPORT	?	Y-C N-T	Enter Reset mode. [C] for Yes, [T] for No.
[C]	Z2.0	RESET	SALES	MONTHLY	Display back to Z mode.
[≧] or [≦] or [X]	Z3.0	RESET	SALES	TERM	Select Sales Term Reset Report.
[*]	RESET	REPORT	?	Y-C N-T	Enter Reset mode. [C] for Yes, [T] for No.
[C]	Z3.0	RESET	SALES	TERM	Display back to Z mode.

6.1.2 Traceability Reset Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter Z mode	Z1.0	RESET	SALES	DAILY	Lamp Z turns on.
[≧] or [≦] or [X]	Z4.0	RESET	TRACE	REPORT	Select Traceability Report.
[*]	RESET	REPORT	?	Y-C N-T	Enter Reset mode. [C] for Yes, [T] for No.
[C]	Z4.0	RESET	TRACE	REPORT	Display back to Z mode.

6.1.3 Clerk Log File Reset Report

OPERATION	DISPLAY				REMARK
	PT	kg	$ /kg	$	
Enter Z mode	Z1.0	RESET	SALES	DAILY	Lamp Z turns on.
[≧] or [≦] or [X]	Z5.0	RESET	CLERK	LOG FILE	Select Clerk Log Report.
[*]	RESET	REPORT	?	Y-C N-T	Enter Reset mode. [C] for Yes, [T] for No.
[C]	Z5.0	RESET	CLERK	LOG FILE	Display back to Z mode.