



DC-400

Operation Manual

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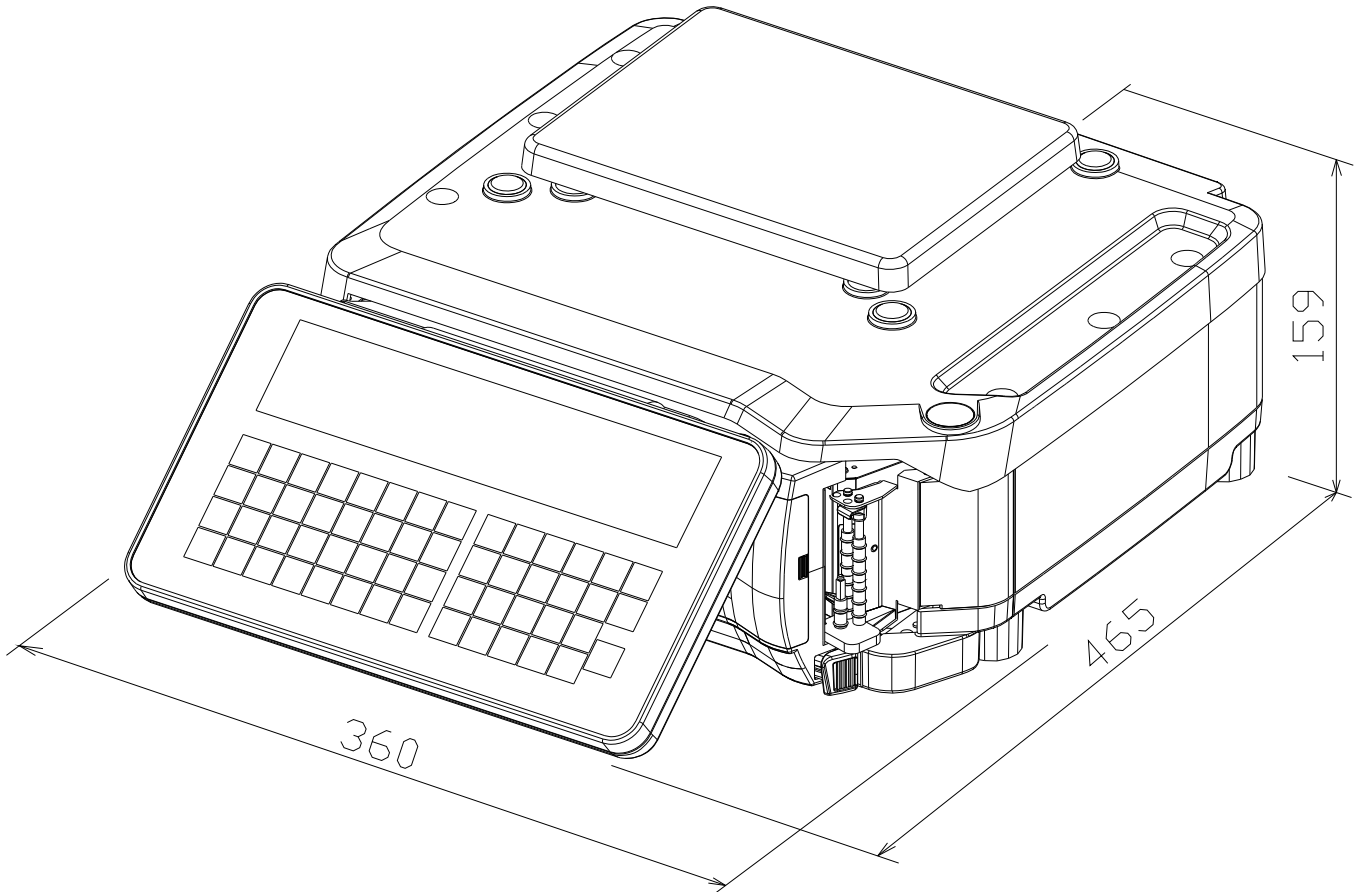
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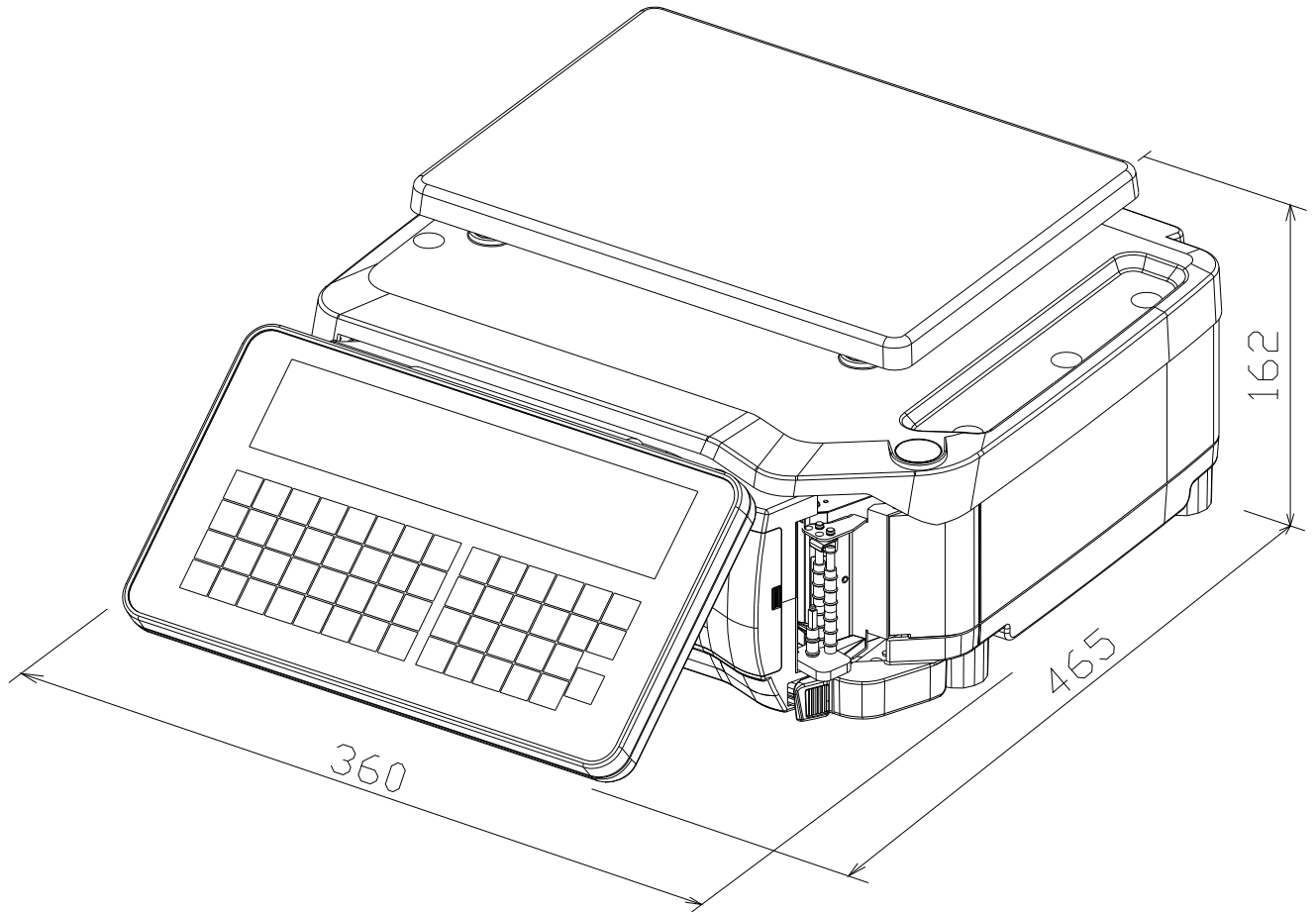
1. General Information

1.1. General Layout

1.1.1. 500g/5kg Capacity



1.1.2. 2.5kg/25kg Capacity



1.2. Features

- Digital printing scale consists of counting 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.
- Built-in clock automatically updates date and time.
- Quick response to weight changes.
- Capacity : 500g/5kg, 2.5kg/25kg.
- High Resolution : Display Resolution 1/50,000, 4-interval.
: Internal Resolution 1/1,000,000.
- Remote platform connector support 4 x load cells 350 Ohm.
- 202 x 32 pixels FSTN type LCD with back-light.
- Touch Panel Integrated.
- 55 switch keys
 - a. ON/OFF key.
 - b. 10 Numeric keys, to key in numeric data.
 - c. 26 character keys, to key in characters.
 - d. 18 Operational keys, to perform various functional operations.
- Ethernet function.
- RS232C I/F for data communication and barcode scanner connection.
- PS/2 I/F for IBM keyboard

1.3. Operating Conditions

- Power Source : AC 176V ~ 264V, 47~63Hz.
- Operating Temperature : -10 °C ~ +40 °C.
- Operating Humidity : 15% ~ 85% RH.
- Power Consumption : 0.5A.

1.4. Dimensions

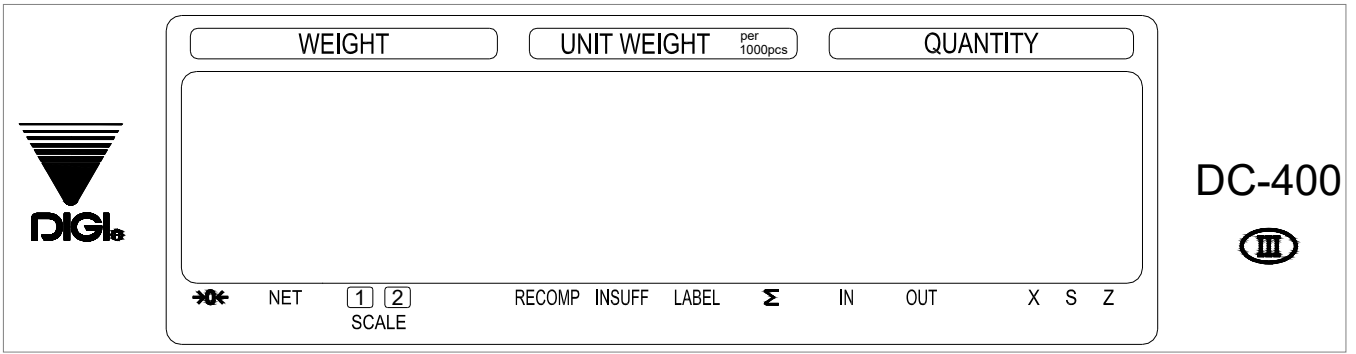
1.4.1. 500g/5kg Capacity

- Platter size : 215(W) x 162(D) mm.
- Overall size : 360(W) x 465(D) x 159(H) mm.

1.4.2. 2.5kg/25kg Capacity

- Platter size : 290(W) x 215(D) mm.
- Overall size : 360(W) x 465(D) x 162(H) mm.

1.5. Display and Indicators



1.5.1. Display Specifications

- Weight display : 6 digits.
- Unit Weight display : 7 digits.
- Quantity : 8 digits.
- Second Line display : 25 characters.

1.5.2. Indicators







- **ZERO** : On when zero point is adjusted and weight is stable.
- **NET** : On when tare subtraction is performed.
- **SCALE-1** : On when Scale 1(Built-in Platform) is selected.
- **SCALE-2** : On when Scale 2(Remote Platform) is selected.
- **RECOM** : On when Unit Weight re-computing is possible.
- **INSUFF** : On when Net weight is below a specific percentage of the capacity weight.
- **LABEL** : On when label printing mode is chosen.
- **Σ** : On when Quantity accumulation is done.
- **IN** : On when Inventory IN (For Counting Mode)
- **OUT** : On when Inventory OUT (For Counting Mode)
- **X** : On when in Report mode.
- **S** : On when in Programming mode.
- **Z** : On when in Service mode.

1.6. Key

1.6.1. Key Sheet Layout

! A ID CODE	# B P. NAME	\$ C PART NO	% D LOCATE	& E INVENT	" F THHOLD	(G SET PT) H NON-ADD	7	8	9	UNIT WEIGHT	MODE	ON/OFF
* I IN	' J OUT	@ K SEQ NO	: L ADDR	; M NET/G	+ N KG/LB	- O []	/ P []	4	5	6	CODE	↻	* REPRINT
SPACE Q []	R []	S []	INSERT T []	DEL U []	CHAR TYPE V []	LETTER SZ W []	CHAR SZ X []	1	2	3	+	-	PIECES
Y []	Z []	LOT NO []	SHIFT UP []	SHIFT DOWN []	SCALE []	<< []	>> []	0	.	CLEAR	REZERO	TARE	

1.6.2. Key Functions

-  : ON/OFF key. Turn display on or off.
-  : Print key. Issue label or receipt at R mode / Print out report at X mode / To enter item programmed mode.
- **PIECES** : PCS key. To computing unit weight by sampling / Escape the Programming screen without saving data in X and S mode
- **UNIT WEIGHT**: UNIT WEIGHT key. To set Unit Weight in Registration mode.
-  : MODE SET key. To switch into control modes.
- **CODE** : CODE key. Call up PLU data in Registration mode / Store the programmed data in S mode.
-  : Feed key. To feed paper.
- **+** : PLUS key. Accumulate the Total Quantity / Select programming item such as Item Code, Factory Name in S mode / Select Report Type in X Mode.
- **-** : MINUS key. Correct the sales data / Select programming item such as Item Code, Factory Name in S mode / Select Report Type in X mode.
- **CLEAR** : CLEAR key. Clear Alphanumeric Data / Select "YES" in S, X and Z mode.
-  : RE-ZERO key. Reset weight display to zero.
-  : TARE key. Set or clear tare values / Select "NO" in S, X and Z mode / Item test print in S mode.
- **0 ~ 9** : Numeric keys. Input numerical value.
- **.** : DOT key. To enter Decimal point.
- **A to Z** : Character keys. To view the Preset data such as ID CODE, PART NAME in R mode / Enter Alphabetic data in R mode (ID CODE) and S mode.
- **SCALE** : SCALE key. To switch between scale1 and scale2
- **LOT NO** : LOT NO key. To view the Lot Number or to program new Lot Number for temporarily printing.
- **SHIFT UP** : SHIFT UP key. To select Top function or symbol of the desired key for entering.
- **SHIFT DOWN**: SHIFT DOWN key. SCALE key. To select Bottom function of desired key for entering.
- **<<** : LEFT SHIFT key. To move cursor LEFT.
- **>>** : RIGHT SHIFT key. To move cursor RIGHT.
- **SPACE** : SPACE key. To SPACE the entering characters or numbers.
- **INSERT** : INSERT key. Insert Data..
- **DEL** : DELETE key. Delete the Data.
- **CHAR TYPE** : CHARACTER TYPE key. Code type entered.
- **LETTER SZ** : LETTER SIZE key. Switch Cap or Lower case..
- **CHAR SZ** : CHARACTER SIZE key. Change Font size.

2. Setup

2.1. Mode Change

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	0.0000kg	0	0	R mode.
[MODE][MODE] (within 3 seconds)	X1.0	ITEM	REPORT	Enter X mode. Lamp X turns on.
[MODE]	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[MODE]		SERVICE	MODE	Enter Z mode. Lamp Z turns on.
[MODE]	PWD X	0	SET	Enter Password Set mode.
[MODE]	0.0000kg	0	0	Return to R mode.

2.2. Specification Setting

2.2.1. Specification Entry (141)

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
		SERVICE	MODE	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]	SPEC 000	017	XXX	It goes to a designed specification count.
[PIECES]	SPEC 017	XXX	XXX	(000~062 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	001	XXX	
[*]	SPEC 018	XXX	XXX	
[C]	SPEC 018	000	XXX	Clear the enter data.
[CODE] * Note		SERVICE	MODE	Store the updated specification and escape to Z mode.

Note: If press [T] key, it does not store the updated specification and escape to Z mode.

2.2.2. Specification List

Customer SPEC Setting-(141)

SPEC NO.	SPECIFICATION DESCRIPTION	DC-400
00	AUTO POWER SAVING WHEN NO WEIGHT CHANGE & NO KEY PRESS	✓
	0 Inhibit 3 30 Minutes 1 3 Minutes 4 1 Hour 2 10 Minutes 5 3 Hours	1. When SPEC1 set to 0, backlight will off and when SPEC1 set to 1, the scale will auto power off.
01	POWER SAVING MODE	
	0 Back Light Off 1 POWER OFF	
02	NEGATIVE COUNTING	✓
	0 No 1 Yes	
03	EXTENT OF INSUFFICIENT SAMPLES	✓
	0 0.1% 2 0.0% 1 0.2%	
04	SET NEW ITEM DURING REGISTRATION MODE	✓
	0 Yes 1 No	
05	DATE ORDER	✓
	0 Month / Day / Year 2 Year / Month / Day 1 Day / Month / Year	
06	TIME FORMAT	✓
	0 24 Hour 1 12 Hour (am / pm)	
07	UNIT WEIGHT AUTO RECOMPUTING	
	0 No 1 Yes	
08	SAMPLING TIMES FOR UNIT WEIGHT CALCULATION	✓
	0 15 Times 1 20 Times	
09	DISPLAY ACCURACY UNIT WEIGHT CALCULATION DURING RECOMPUTING	
	0 No 1 Yes	
10	SET POINT BUZZER	✓
	0 Buzzer On 1 Buzzer Off	
11	CLEAR ALL INPUT KEY IN ONE TOUCH	
	0 Yes 1 No	
12	KEEP LOT NO IN REGISTRATION MODE	✓
	0 Allow 1 Inhibit	
13	JOB SEQUENCE	
	0 Disable 1 Enable	
14	AUTO EXIT FROM ADD MODE	✓
	0 No 1 Yes	

SPEC NO.	SPECIFICATION DESCRIPTION				DC-400
15	SIO SELECT JOB				Please set SPEC29 force balance to ENABLE when SPEC26 is set to FORCE BALANCE.
	0	No Operation	3	PC Connection	
	1	Track N Print (TNP)	4	Printer Connection	
	2	Force Balance (FB)	5	Barcode Scanner	
16	RS232C BAUD RATE (SIO)				✓
	0	1200	3	9600	
	1	2400	4	19200	
	2	4800	5	38400	
17	RS-232C DATA LENGTH (SIO)				✓
	0	7 Bits	1	8 Bits	
18	RS-232C PARITY BIT (SIO)				✓
	0	None	2	Even	
19	RS-232C STOP BIT (SIO)				✓
	0	1 Bit	1	2 Bits	
20	RS232 OPTION CARD WITH 8 PIN DIN2 AND 8 PIN DIN1 CONNECTORS				Please set SPEC29 force balance to ENABLE when connected to FORCE BALANCE.
	0	Not Connected	4	PC / Printer	
	1	Printer / Force Balance	5	PC / Force Balance	
	2	Force Balance / Printer	6	Force Balance / PC	
	3	Printer / PC			
21	RS-232 BAUD RATE FOR 8 PIN DIN1 CONNECTOR (OPTIONAL CARD)				
	0	4800	2	19200	
	1	9600	3	38400	
22	RS-232 DATA LENGTH FOR 8 PIN DIN1 CONNECTOR (OPTIONAL CARD)				
	0	7 Bits	1	8 Bits	
23	RS-232 STOP BIT FOR 8 PIN DIN1 CONNECTOR (OPTIONAL CARD)				
	0	1 Bit	1	2 Bits	
24	RS-232 PARITY BIT FOR 8 PIN DIN1 CONNECTOR (OPTIONAL CARD)				
	0	None	2	Even	
1	Odd				
25	RS-232 BAUD RATE FOR 8 PIN DIN2 CONNECTOR (OPTIONAL CARD)				
	0	4800	2	19200	
	1	9600	3	38400	
26	RS-232 DATA LENGTH FOR 8 PIN DIN2 CONNECTOR (OPTIONAL CARD)				
	0	7 Bits	1	8 Bits	
27	RS-232 STOP BIT FOR 8 PIN DIN2 CONNECTOR (OPTIONAL CARD)				
	0	1 Bit	1	2 Bits	

SPEC NO.	SPECIFICATION DESCRIPTION	DC-400
43	SELECT RECEIPT OR LABEL PAPER PRINTING	
	0 Print Receipt Paper 1 Print Label Paper	
44	PRINTING SPEED FOR RECEIPT	✓
	0 Slow 2 High 1 Normal	
45	PRINTING SPEED FOR LABEL	✓
	0 Slow 2 High 1 Normal	
46	LABEL PRINTING DENSITY	✓
	0 Low 2 Medium High 1 Medium 3 High	
47	LABEL TYPE (DC300 only)	✓
	0 Gap 1 No Gap	
48	PEEL SENSOR FUNCTION	
	0 Disable 1 Enable	
49	NO OF REPRINT LABELS	
	0 No Label 2 2 Labels 1 1 Label	
50	SELECTION OF LABEL AND RECEIPT PRINTING OPERATION	
	0 All Operation (In/Out/Non-Add) 3 In & Out (Receiving & Shipping) 1 Out (Shipping Operations) 4 No Printing 2 In (Receiving Operations)	
51	HUMAN READABLE BARCODE PRINTING FORMAT	
	0 No Print 1 Print	
52	ITEM DATA (SUCH AS ID CODE, PART NAME, PART NO & LOT NO) PRINTING FORMAT	✓
	0 Centering 1 Start Printing From Left	
53	DATE TITLE PRINT	✓
	0 No 1 Yes	
54	WEIGHT DATA AND QUANTITY TITLE PRINT	
	0 No Print 1 Print	
55	PRINTING OF FACTORY NAME ON LABEL	✓
	0 No Print 1 Print	
56	DEFAULT PRINTING LABEL FACTORY NO	✓
	Range (0 - 32)	
57	PRINTING OF FACTORY NAME FORMAT	✓
	0 No Centering 1 Centering	

2.3. Password Setting

2.3.1. Procedures of Password Setting

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
		SERVICE	MODE	Z mode. Lamp Z turns on.
[MODE]	PWD X	XXXX	SET	Display password for X mode. XXXX: former password 0: Not set (1~ 6 bits are enable)
[1][2][3][4]	PWD X	1234	SET	Set password for X mode as 1234.
[*]	PWD S	XXXX	SET	Press [*] to save password for X mode.
[*]	PWD Z	XXXX	SET	Display password for Z mode.
[3][3]	PWD Z	33	SET	Clear the password for Z mode.
[C]	PWD Z	0	SET	
[*]	PWD P	XXXX	SET	Display password for PWD mode.
[1][1][1][1]	PWD P	1111	SET	Set password for PWD mode as 1111.
[*]	0.0000kg	0	0	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
	WEIGHT	UNIT WEIGHT	QUANTITY	
	0.0000kg	0	0	R mode.
[MODE][MODE] (within 3 seconds)	ENTER		PWD X	Need X mode password. Lamp X turns on.
[1][2][3][4]	ENTER	****	PWD X	Incorrect password.
[*]	ENTER		PWD X	Retry.
[1][1][1][1]	ENTER	****	PWD X	Correct password.
[*]	X1.0	REPORT	ITEM	Enters X mode.
[MODE]	S1	ITEM CD	→	Enters S mode. Lamp S turns on.
[MODE]	ENTER		PWD Z	Need Z mode password. Lamp Z turns on.
[3][3]	ENTER	**	PWD Z	Correct password.
[*]		MODE	SERVICE	Enters Z mode.
[MODE]	ENTER		PWD P	Need PWD mode password.
[1][2][3][4]	ENTER	****	PWD P	Correct password.
[*]	PWD X	SET	1111	Enters PWD mode.
[MODE]	0.0000kg	0	0	Return to R mode.

2.4. Clear Files

This function is used to clear files in Memory.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
		SERVICE	MODE	Z mode. Lamp Z turns on.
[Rezero]+[2][3][0]	CLEAR	PLU	FILE	PLU file.
[+]	CLEAR	REPORT	FILES	Select to clear report files.
[+]	CLEAR	MEMORY	DATA	Select to clear memory.
[*]	CLEAR	MEMORY	Y-C N-T	To clear memory.
[C] or [T]		SERVICE	MODE	[C] to clear file data, [T] to quit. 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
[1]	PROGRAM PLU
[2]	PROGRAM FACTORY
[4]	PROGRAM DATE AND TIME
[5]	PROGRAM ADDRESS
[7]	PROGRAMM TEXT
[8]	PROGRAM FREE FORMAT
[9]	PROGRAM LOGO
[1] [0]	MEMORY STATUS
[1] [1]	INTERFACE TEST
[1] [2]	PROGRAM MULTI-BARCODE
[1] [3]	PROGRAM 2D BARCODE TEXT

3.2. Programming Mode Entry

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	0.0000kg	0	0	R mode.
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Program PLU file.
[2] or [+]	S2	FACTORY	FILE	Press [+] key to select next programming file.
Press [MODE] key 3 times.	0.0000kg	0	0	Return to R mode

3.3. PLU FILE

The following items can be programmed in PLU PROGRAMMING mode.

Step	Items	Step	Items
S1.0	ID CODE ENTRY	S1.7	LOCATION
S1.1	UNIT WEIGHT	S1.8	INVENTORY
S1.2	TARE WEIGHT	S1.9	THRESHOLD
S1.3	LABEL FORMAT	S1.10	SELECT SET POINT TYPE
S1.4	PART NAME	S1.11	SET POINT 1
S1.5	PART NUMBER	S1.12	SET POINT 2
S1.6	LOT NUMBER	S1.13	ADDRESS NUMBER (if Address exist)

3.3.1. Program Item File

Item data is programmed by the following procedure.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1		PLU FILE	Enter S mode. Lamp S turns on.
[*]	S1.0		NO SET	Enter PLU programming mode.
[1][2][3][A][B][*]	S1.1	0.0000	0	Enter ID Code (Ex. 123AB).
[0][.][1][*]	S1.2	0.0000	0	Enter Unit Weight (Ex. 0.1). * Note 1
[TARE][*]	S1.3	DEF 0	LAB FR	Place a tare weight on platter (Ex. 100g). If the tare value is known, enter the tare value by numeric keys.
[<<] or [>>]	S1.3	T6 6	LAB FR	Select Label format by press [<<] or [>>] key.
[*]	S1.4	P 0101	S1 A 70	Set the Label format (Ex. T6).
[P][A]...[E][*]	S1.5	N 0101	S1 A 70	Enter Part Name (Ex. PART NAME). * Note 2
[P][N]...[1][*]	S1.6	L 0101	S1 A 70	Enter Part No. (Ex. PN001). * Note 2
[L][N]...[1][*]	S1.7	C 0101	S1 A 70	Enter Lot No. (Ex. LN001). * Note 2
[L][N]...[1][*]	S1.8	INVENT	0	Enter Location (Ex. LC001). * Note 2

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
[1][0][0][0][*]	S1.9	THRES	0	Enter Inventory (Ex. 1000). * Note 3
[5][0][*]	S1.10		%/QTY	Enter Threshold (Ex. 50). * Note 3
[+][*]	S1.10	0	0	Select set point type by press [+] key.
[2][0][0][*]	S1.12	0	0	Enter Set Point 1 (Ex. 200). * Note 4
[4][0][0][*]	S1.13	ADDRESS	0	Enter Set Point 2 (Ex. 400%). * Note 5
[3][CODE]	S1	PLU	FILE	Enter Address Number (Ex. 3), save it. Return to S mode.

Note 1: Unit Weight per 1000pcs is used to calculate the Quantity with place the product on the platter.

There have two ways to enter Unit Weight value, by Numeric Key or by Weight Sampling.

1. Numeric Key

Maximum 5 digits & 1 decimal point can be entered for Unit Weight.

2. Weight Sampling

1) Place the product on platter when Insufficient indicator ON.

① Place the 10pcs of product on platter (Insufficient indicator lighted up) and then press [PIECES] key to do sampling. After a few seconds, a message "ADD 3" will appear on the display. If the samples are heavy enough, the insufficient indicator light will be off.

② Add 3pcs of product on platter and press [PIECES] key. After a few seconds, the Unit Weight value will appear on Unit Weight column and Unit weight entering column.

2) Place the product on platter when Insufficient indicator OFF

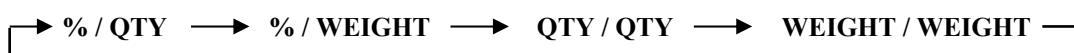
① Insufficient Indicator light will be OFF, if the weight exceeded the insufficient weight setting. Place the product on platter (Ex. 1kg =100pcs).

② Enter the known Quantity (Ex. 100) and press [PIECES] key (If the Quantity is 10pcs, press [PIECES] key to sample without entering the Quantity). Wait for a while for Unit Weight computation to be completed. The Unit Weight value will appear on Unit Weight column and the Unit Weight entering column.

Note 2: Maximum 1 line can be programmed for Part Name, Part No., Lot No. and location. The number of characters entry is depends on the Character Size entry or size of the print area. If selected label format without print area, maximum 1 line of 32 characters can be entered.

Note 3: Maximum of 8 digits can be entered for Inventory and Threshold.

Note 4: There have 4 types of Set Point can be select in this parameter. Refer to the following rotation for selecting Set Point type by pressing [+] key.



Note 5: Up to 999% can be entered for Set Point 2. Set Point 2 must set according to Set Point 1 setting. For example: If Set Point 1 set to 9999999, the Set Point 2 cannot be set more than 100%.

3.3.2. Delete Item Code

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S1.0	ENTER	ID CODE	Enter Item Code programming mode.
[1][2][3][A][B]	S1.0	ENTER	ID CODE	Enter ID Code (Ex. 123AB).
[—]	S1.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S1	→	ITEM CD	[C] for Yes, [T] for No. Delete record, return to S mode.

3.3.3. Label Format List

Standard label format list is shown as below.

LABEL FORMAT NO.	FOR STANDARD	LABEL SIZE (mm)
0	DEFAULT	Label size set in specification setting
1	T1	60 X 28
2	T2	60 X 31
3	T3	60 X 34
4	T4	60 X 40
5	T5	60 X 43
6	T6	60 X 46
7	T7	60 X 49
8	T8	60 X 55
9	T9	60 X 37
10	T10	60 X 40
11	T11	60 X 43
12	T12	60 X 49
13	S	40 X 28
14	A	40 X 46
15	B	40 X 46
16	C	40 X 62.5
17	F1	*
18	F2	*
19	F3	*
20	F4	*
21	F5	*
22	F6	*
23	F7	*
24	F8	*
25~115	F9~F99	*

Note: F1 to F99 are available only when free format is programmed.

3.4. FACTORY NAME FILE

Factory name is used for programming a short text describing the name of factory. Maximum 32 factory names can be programmed, each with 3 lines. The number of line depends on the character size. The default Factory Name print on label can be set in SPEC 56 & print centering of Factory Name on label can be select at SPEC 57.

Note: Factory Name will not printed on the label if the selected label format without print area for Factory Name or SPEC 55 set to "0: NO PRINT".

3.4.1. Program Factory Name File

At Programming Mode, select Factory Name programming mode and then enter new Factory Name No. (Ex. 1).

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[2] or [+]	S2	FACTORY	FILE	Select Factory programming mode.
[*]	S2.0	0	NO SET	Enter Factory programming mode.
[1][*]	S2.1	S01.01	S1 A 32	Enter Factory No. (Ex. 1).
[D][I] ... [E]	S2.1	S01.10	S1 A 22	Enter Factory Name (Ex. DIGI STORE).
[SHIFT UP][X]	S2.1	S01.10	S2 A 22	Change font size to S2. (S1~S5; M1~M5)
[CODE]	S2	FACTORY	FILE	Store data, return to S mode.

3.4.2. Print Factory Name File

The Factory Name report can be printed on receipt paper. A Full Report includes all programmed Factory Names and a Single Report includes one Factory Name data only.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S2.0	0	NO SET	Enter Factory Name programming mode.
[TARE]	TEST2.0	1	ST NUM	Enter Factory Name report print mode.
[*]	TEST2.0	32	EN NUM	Enter start No.
[*]	S2.0	0	NO SET	Enter end No. Print Factory Name Full report.
[1]	S2.0	1	NO SET	Enter Factory No. (Ex. No.1).
[TARE]	S2.0	1	NO SET	Print Factory Name Single report. Return to Factory Name programming mode.

3.4.3. Delete Factory Name File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S2.0	0	NO SET	Enter Factory Name programming mode.
[1]	S2.0	1	NO SET	Enter Factory No. (Ex. No.1).
[-]	S2.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S2	FACTORY	FILE	[C] for Yes, [T] for No. Delete record. Return to S mode.

3.5. 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
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[4] or [+] three times	S4	DATE	AND TIME	Select Date and Time programming mode.
[*]	S4.0	010100	MMDDYY	Enter Date and Time programming mode.
[0][8][1][9][0][4][*]	S4.1	0000	HHMM	Set Month 08, Day 19 and Year 04 (Ex. 2004-08-19).
[9][0][0][*]	S4	DATE	AND TIME	Set Hour 9, Minute 05. Store Date and Time. Return to S mode.

3.6. ADDRESS FILE

Address file is used to program factory address, which can be assigned in each Item and to be printed on the label. Since standard format does not have a print area set for Address, the Address cannot be printed when using these formats. To print Address on the label, a Free Format with an Address print area programmed must be used. Maximum 16 Address (No. 1 ~ 16) can be programmed with each up to 8 programmable lines. Number of line depends on the size of the print area or Character Size entry.

3.6.1. Program Address File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[5] or [+] four times	S5	ADDRESS	FILE	Select Address programming mode.
[*]	S5.0	0	NO SET	Enter Address programming mode.
[1][*]	S5.1	P01.01	S1 A 32	Enter Address No. (Ex. 1).
[S][H] ... [I]	S5.1	P01.08	S1 A 24	Enter Address (Ex. SHANGHAI).
[SHIFT UP][X]	S5.1	P01.10	S2 A 24	Change font size to S2. (S1~S5; M1~M5)
[CODE]	S5	ADDRESS	FILE	Store data, return to S mode.

3.6.2. Print Address File

The Address report can be printed on receipt paper. A Full Report includes all programmed Address data and a Single Report includes one Address data only.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S5.0	0	NO SET	Enter Address programming mode.
[TARE]	TEST5.0	1	ST NUM	Enter Address report print mode.
[*]	TEST5.0	16	EN NUM	Enter start No.
[*]	S5.0	0	NO SET	Enter end No. Print Address Full report.
[1]	S5.0	1	NO SET	Enter Address No. (Ex. No.1).
[TARE]	S5.0	1	NO SET	Print Address Single report. Return to Address programming mode.

3.6.3. Delete Address File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S5.0	0	NO SET	Enter Address programming mode.
[1]	S5.0	1	NO SET	Enter Address No. (Ex. No.1).
[-]	S5.0	DEL ?	Y-C N-T	Enter Delete mode.
[C]	S5	ADDRESS	FILE	[C] for Yes, [T] for No. Delete record. Return to S mode.

3.7. TEXT FILE

Maximum 20 Texts are available (Text number 1~16 are for Item label and text number 17~20 are for Total label). Text is used for printing the fixed data on label such as “scale number” or “machine no”. Text cannot be printed when using standard format since they do not have any text print area set. A Free Format with a Text print area must be programmed. Maximum 2 lines per text can be programmed and number of line depends on the size of print area of the selected label format or the character size.

3.7.1. Program Text File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[7] or [+] six times	S7	TEXT	FILE	Select Text programming mode.
[*]	S7.0	0	NO SET	Enter Text programming mode.
[1][*]	S7.1	T01.01	S1 A 100	Enter Text No. (Ex. 1).
[Q][U] ... [Y]	S7.1	T01.08	S1 A 92	Enter Text data (Ex. QUANTITY).
[SHIFT UP][X]	S7.1	T01.10	S2 A 92	Change font size to S2. (S1~S5; M1~M5)
[CODE]	S7	TEXT	FILE	Store data, return to S mode.

3.7.2. Print Text File

The Text report can be printed on receipt paper. A Full Report includes all programmed Text data and a Single Report includes one Text data only.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S7.0	0	NO SET	Enter Text programming mode.
[TARE]	TEST7.0	1	NO SET	Enter Text report print mode.
[*]	TEST7.0	20	EN NUM	Enter start No.
[TARE]	S7.0	0	NO SET	Print Text Full report. Return to Text programming mode.
[1]	S7.0	1	NO SET	Enter Text No. (Ex. No.1).
[TARE]	S7.0	1	NO SET	Print Text Single report. Return to Text programming mode.

3.7.3. Delete Text File

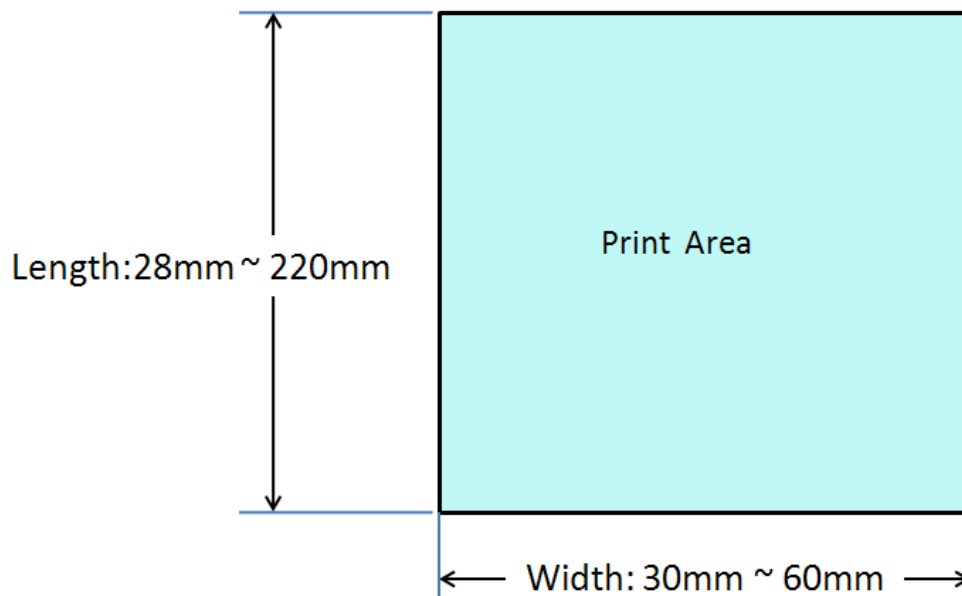
OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S7.0	TEXT	0	Enter Text programming mode.
[1]	S7.0	TEXT	1	Enter Text No. (Ex. No.1).
[−]	S7.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S7	TEXT	FILE	[C] for Yes, [T] for No. Delete record. Return to S mode.

3.8. 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.

3.8.1. General Information

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



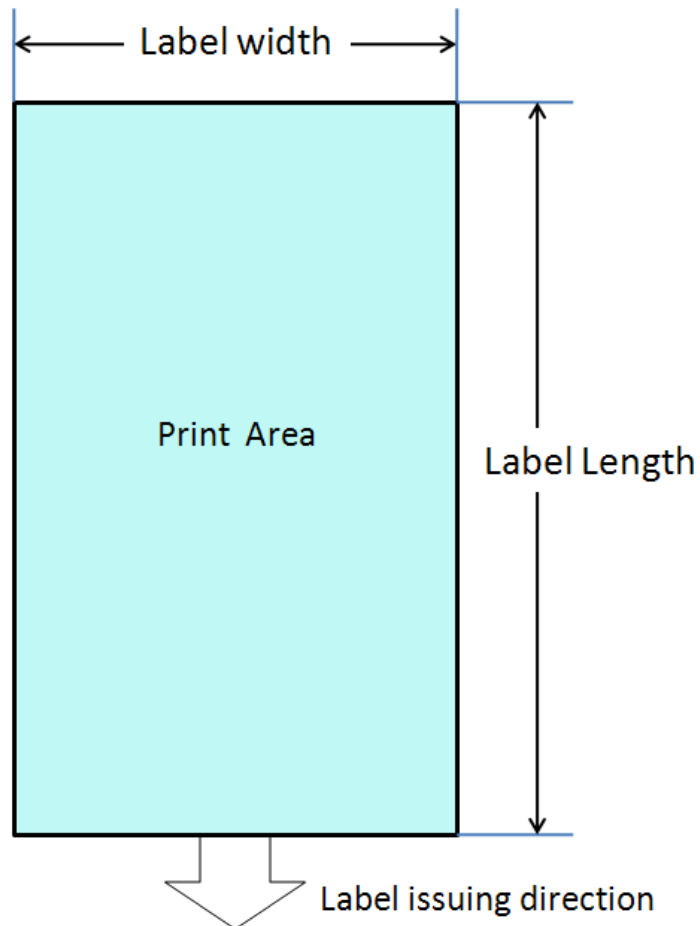
- Up to 99 Free Formats can be stored in the memory, apart from the other 16 standard formats.
- Standard format can be used as a basic format for creating a new format.
- Print position of each item is programmed using "mm".
- One Item label or one Total label is available for each Free Format number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

3.8.2 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".

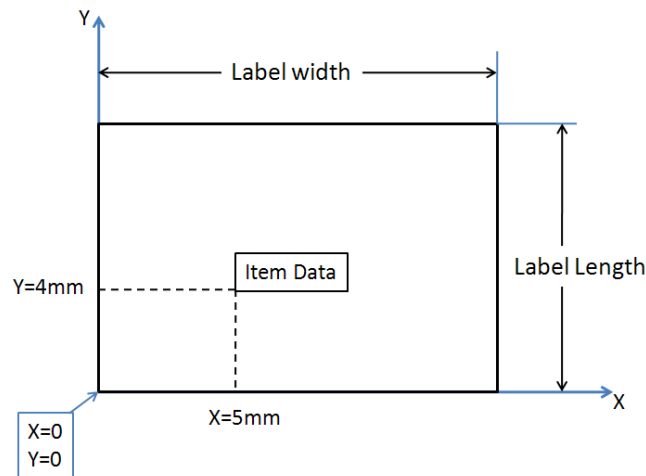
Print Area

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



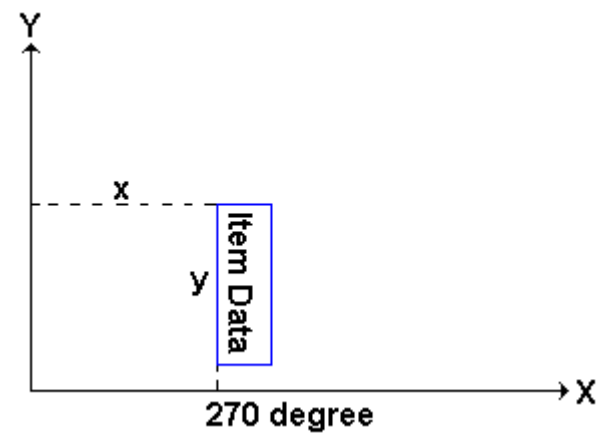
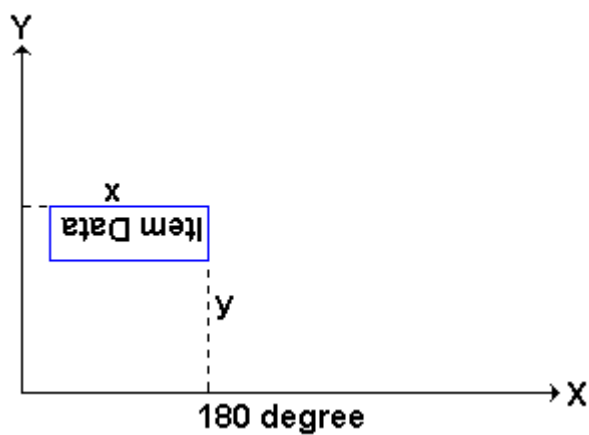
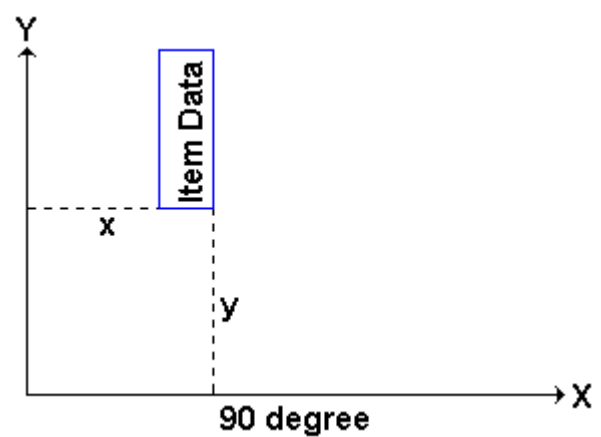
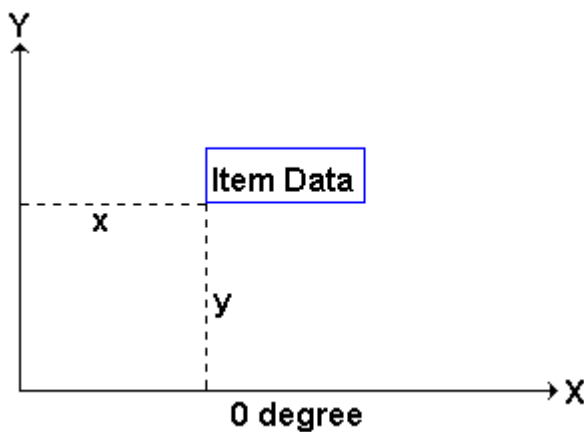
Print Position

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.



3.8.3 Programming Parameter of Print Items

Print Item for Item Label

Up to 66 different item data can be programmed in Item Label Format.

Item Data	Type	Item Data	Type
1. ID CODE	5	42. ID CODE TITLE	1
2. GROSS WEIGHT	1	43. LOCATION TITLE	1
3. UNIT WEIHGT	1	44. PART NAME TITLE	1
4. NET WEIGHT	1	45. PART NUMBER TITLE	1
5. QUANTITY	1	46. LOT NUMBER TITLE	1
6. PACK DATE	1	47. NET WEIGHT TITLE	1
7. PACK TIME	1	48. GROSS WEIGHT TITLE	1
8. PART NUMBER	2	49. TARE TITLE	1
9. QUANTITY UNIT	1	50. UNIT WEIGHT BARCODE	3
10. PART NAME	2	51. TARE WEIGHT BARCODE	3
11. LOT NUMBER	2	52. QUANTITY BARCODE	3
12. ID CODE BARCODE	3	53. IMAGE 1	2
13. FACTORY	2	54. IMAGE 2	2
14. INVENTORY	1	55. IMAGE 3	2
15. THRESHOLD	1	56. IMAGE 4	2
16. LOGO	2	57. IMAGE 5	2
17. TARE WEIGHT	1	58. IMAGE 6	2
18. SCALE NUMBER	1	59. IMAGE 7	2
19. ADDRESS	2	60. IMAGE 8	2
20. LOCATION	2	61. IMAGE 9	2
21. SEQ NUMBER	1	62. IMAGE 10	2
22. STATUS	1	63. MULTI BARCODE 1	3
23. FRAME 1	4	64. MULTI BARCODE 2	2
24. FRAME 2	4	65. LOT NUMBER BARCODE	3
25 ~ 40. TEXT 1 ~ TEXT 16	2	66. PART NUMBER BARCODE	3
41. SEQ TITLE	1		

Print Item for Total Label

Up to 14 different item data can be programmed in Total Label Format.

Item Data	Type	Item Data	Type
1. TOTAL QUANTITY	1	9. TEXT 18	2
2. TOTAL QUANTITY UNIT	1	10. TEXT 19	2
3. UNIT WEIGHT	1	11. TEXT 20	2
4. PACK DATE	1	12. SEQ NUMBER	1
5. PACK TIME	1	13. SEQ TITLE	1
6. TOTAL TITLE	1	14. ACCUMULATE	1
7. TOTAL BARCODE	3	15. MULTI BARCODE 1	3
8. TEXT 17	2	16. MULTI BARCODE 2	2

Programmable Data Type

Programmable data	Type 1	Type 2	Type 3	Type 4	Type 5
X position	YES	YES	YES	YES	YES
Y position	YES	YES	YES	YES	YES
Angle	YES	YES	YES	NO	YES
Status	YES	YES	YES	YES	YES
Character Size	YES	NO	NO	NO	YES
Width	NO	YES	NO	NO	YES
Height	NO	YES	YES	NO	YES
Thickness	NO	NO	NO	YES	NO

3.8.4 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
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[8] or [+] seven times	S8	FREE	FORMAT	Select Free Format programming mode.
[*]	S8.0	0	1 – 99	Enter Free Format setting programming mode.
[1][*]	S8.1	0	WT MM	Enter the Free Format File No. (Ex.No.1).
[4][8][*]	S8.2	0	HT MM	Enter Label print width (Ex.48mm).
[3][5][*]	S8.3	0	ANGLE	Enter Label print height (Ex.35mm).
[<<] or [>>]	S8.3	90	ANGLE	[<<] or [>>] key can change the selection of label angle. (0 / 90 / 180 / 270 degree)
[*]	S8.4	ITEM	LABEL	Label angle is turned 90 degree.
[<<] or [>>]	S8.4	TOTAL	LABEL	Select label type. (Item Label / Total Label)
[*]	S8.5	← 1	F ITEM	Enter item setting. Refer to Base Type 1 to 5 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.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Continued from the procedure Basic Setting: (width, height, angle and label type)				
	S8.5	← 2	F ITEM	Item setting: Gross Weight
[*]	S8.5	0	X MM	Enter item data programming mode.
[1][*]	S8.5	0	Y MM	Enter X value (Ex. 1mm).
[1][*]	S8.5	0	DG ANGLE	Enter Y value (Ex. 1mm).
[>>][*]	S8.5	0	STATUS	Select print angle (Ex. 90 degree).
[2][*]	S8.5	S1	CHAR SIZE	Enter print status (Ex. ALL PRINT).
[>>] four times	S8.5	S5	CHAR SIZE	[<<<] or [>>>] key can change the selection of the character size. (S1~S5; M1~M5)
[*]	S8.5	← 2	F ITEM	

Note 1: STATUS TYPE: 0 - NO PRINT 1 - WEIGH PRINT 2 - ALL PRINT

Note 2: 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 [<<<] 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.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Continued from the procedure Basic Setting: (width, height, angle and label type)				
	S8.5	← 13	F ITEM	Item setting: Factory.
[*]	S8.5	0	X MM	Enter item data programming mode.
[1][0][*]	S8.5	0	Y MM	Enter X value (Ex.10mm).
[1][*]	S8.5	0	DG ANGLE	Enter Y value (Ex.1mm).
[>>][>>][*]	S8.5	0	WT MM	Select print angle (Ex.180 degree).
[2][0][*]	S8.5	0	HT MM	Enter width value. The width of Factory printing area is 20mm (Ex. 20mm).
[1][5][*]	S8.5	0	STATUS	Enter height value. The height of Factory printing area is 15mm (Ex. 15mm).
[2]	S8.5	2	STATUS	Enter print status (Ex. ALL PRINT).
[*]	S8.5	← 13	F ITEM	

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
	WEIGHT	UNIT WEIGHT	QUANTITY	
Continued from the procedure Basic Setting: (width, height, angle and label type)				
	S8.5	← 12	F ITEM	Item setting: Barcode.
[*]	S8.5	0	X MM	Enter item data programming mode.
[5][*]	S8.5	0	Y MM	Enter X value (Ex.5mm).
[2][0][*]	S8.5	0	DG ANGLE	Enter Y value (Ex.20mm).
[>>][*]	S8.5	0	HT MM	Select print angle (Ex.90 degree).
[1][5][*]	S8.5	0	STATUS	Enter height value. The height of Barcode printing area is 15mm (Ex. 15mm).
[2]	S8.5	2	STATUS	Enter print status (Ex. ALL PRINT).
[*]	S8.5	← 12	F ITEM	

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
	WEIGHT	UNIT WEIGHT	QUANTITY	
Continued from the procedure Basic Setting: (width, height, angle and label type)				
	S8.5	← 23	F ITEM	Item setting: Frame 1.
[*]	S8.5	0	X MM	Enter item data programming mode.
[1][0][*]	S8.5	0	Y MM	Enter X value (Ex.10mm).
[1][*]	S8.5	0	X1 MM	Enter Y value (Ex.1mm).
[2][0][*]	S8.5	0	Y1 MM	Enter X1 value. The X1 of Frame 1 printing area is 20mm (Ex. 20mm).
[1][5][*]	S8.5	0	STATUS	Enter Y1 value. The Y1 of Frame 1 printing area is 15mm (Ex. 15mm).
[2][*]	S8.5	0	T MM	Enter print status (Ex. ALL PRINT).
[2]	S8.5	2	T MM	Enter thickness. The thickness of Frame 1 printing area is 2mm (Ex. 2mm).
[*]	S8.5	← 23	F ITEM	

Base Type 5

Item data in Base Type 5 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, print angle and character size.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Continued from the procedure Basic Setting: (width, height, angle and label type)				
	S8.5	← 1	F ITEM	Item setting: ID Code.
[*]	S8.5	0	X MM	Enter item data programming mode.
[1][0][*]	S8.5	0	Y MM	Enter X value (Ex.10mm).
[1][*]	S8.5	0	DG ANGLE	Enter Y value (Ex.1mm).
[>>][>>][*]	S8.5	0	WT MM	Select print angle (Ex.180 degree).
[2][0][*]	S8.5	0	HT MM	Enter width value. The width of ID Code printing area is 20mm (Ex. 20mm).
[1][5][*]	S8.5	0	STATUS	Enter height value. The height of ID Code printing area is 15mm (Ex. 15mm).
[2]	S8.5	2	STATUS	Enter print status (Ex. ALL PRINT).
[*]	S8.5	S1	CHAR SIZE	The status of ID Code printing area is all item printing.
[>>] four times	S8.5	S5	CHAR SIZE	[<<] or [>>] key can change the selection of the character size. (S1~S5; M1~M5)
[*]	S8.5	← 1	F ITEM	

3.8.5 Free Format Copy Function

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

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[8] or [+] seven times	S8	FREE	FORMAT	Select Free Format programming mode.
[*]	S8.0	0	1 – 99	Enter Free Format setting programming mode.
[1]	S8.0	1	1 – 99	Enter the Free Format File No. (Ex. No.1).
[+]	S8.0	NO 0	COPY	Press [+] key to enter free format copy function.
[7] or [<<] and [>>]	S8.0	T7 7	COPY	Press [7] or [<<] and [>>] to select the existing label format to be copied (Ex. T7).
[*][CODE]	S8	FREE	FORMAT	Store the free format file 1, return to S mode.

3.8.6 Free Format Delete Function

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

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S8.0	0	1 – 99	Enter Free Format programming mode.
[1]	S8.0	1	1 – 99	Enter free format file number 1.
[–]	S8.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S8	FREE	FORMAT	[C] for Yes, [T] for No. Delete free format file 1, return to S mode.

Note 1: If want to cancel the deletion, press [PIECES] key to exit.

Note 2: Non-existing Free Format File cannot be deleted.

3.8.7 Sample of program a format by modifying the existing format

Design a label format by copying an existing format and modifying it as need.

Following is the example on how to customize standard format T1. E.g. Add the LOT NO. and remove the PART NAME from the standard Item Label Format

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[8] or [+] seven times	S8	FREE	FORMAT	Select Free Format programming mode.
[*]	S8.0	0	1 – 99	Enter Free Format setting programming mode.
[1]	S8.0	1	1 – 99	Enter the Free Format File No. (Ex.No.1).
[+]	S8.0	NO 0	COPY	Press [+] key to enter free format copy function.
[1]	S8.0	T1 1	COPY	Press [1] to select the existing label format you want to be copy (Ex. T1).
[*]	S8.1	0	WT MM	Enter the Free Format File No. (Ex.No.1).
[5][6][*]	S8.2	0	HT MM	Enter Label print width.(Ex.56mm)
[5][5][*]	S8.3	0	ANGLE	Enter Label print height.(Ex.55mm)
[*]	S8.4	ITEM	LABEL	Label angle is 0 degree.
[*]	S8.5	← 1	F ITEM	Enter item setting. Refer to Base Type 1 to 5 setting.
[1][1]	S8.5	← 11	F ITEM	Item setting: Lot No.
[*]	S8.5	0	X MM	Enter item data programming mode.
[1][*]	S8.5	0	Y MM	Enter X value (Ex.1mm).
[2][7][*]	S8.5	0	DG ANGLE	Enter Y value (Ex.27mm).
[*]	S8.5	0	WT MM	Select print angle (Ex.0 degree).
[5][6][*]	S8.5	0	HT MM	Enter width value (Ex. 56mm).
[5][*]	S8.5	0	STATUS	Enter height value (Ex. 5mm).
[2]	S8.5	2	STATUS	Enter print status (Ex. ALL PRINT).
[*]	S8.5	S1	CHAR SIZE	The status of ID Code printing area is all item printing.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
[>>] four times	S8.5	S5	CHAR SIZE	[<<<] or [>>>] key can change the selection of the character size. (S1~S5; M1~M5)
[*]	S8.5	← 11	F ITEM	
[1][0]	S8.5	← 10	F ITEM	Item setting: Part Name.
[*]	S8.5	0	X MM	Enter item data programming mode.
[*]	S8.5	0	Y MM	Skip.
[*]	S8.5	0	DG ANGLE	Skip.
[*]	S8.5	0	WT MM	Skip.
[*]	S8.5	0	HT MM	Skip.
[*]	S8.5	0	STATUS	Skip.
[0]	S8.5	0	STATUS	Enter print status (Ex. NO PRINT).
[*]	S8.5	S1	CHAR SIZE	The status of Part Name printing area is NO PRINT.
[*]	S8.5	← 10	F ITEM	
[CODE]	S8	FREE	FORMAT	Save change, return to S mode.

3.9 Logo File

Logo is the trademark of the factory, which will be printed in Label. (When printing Logo data on Free Format Label, set the print area of Logo data on the Free Format in advance.)

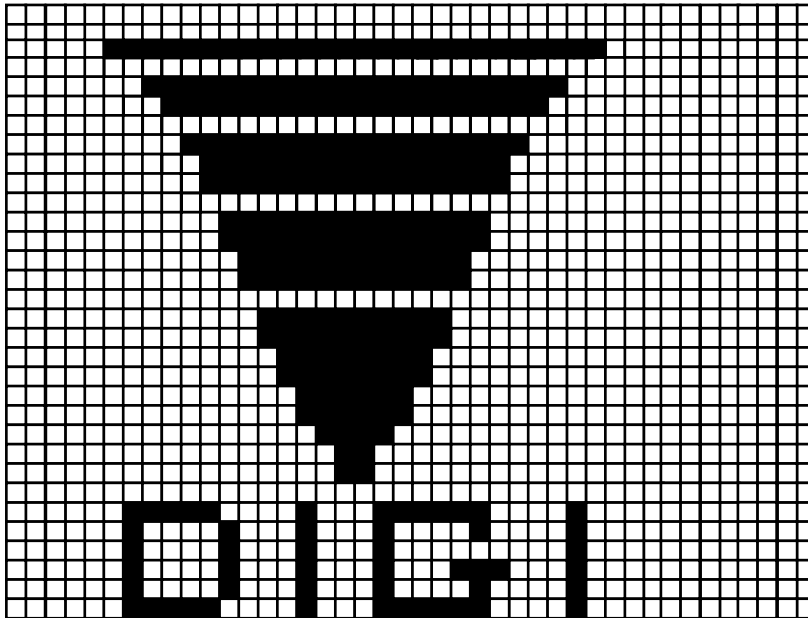
Logo data can be programmed up to 4 logos (Logo No. 1 ~ 4). A logo data is formed by a pattern of dots (128 horizontal dots and 64 vertical dots.) However, since the Label logo data is printed within the limits, which are programmed in label formats, program the logo data within the limits of print area on the format.

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

3.9.1 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.)

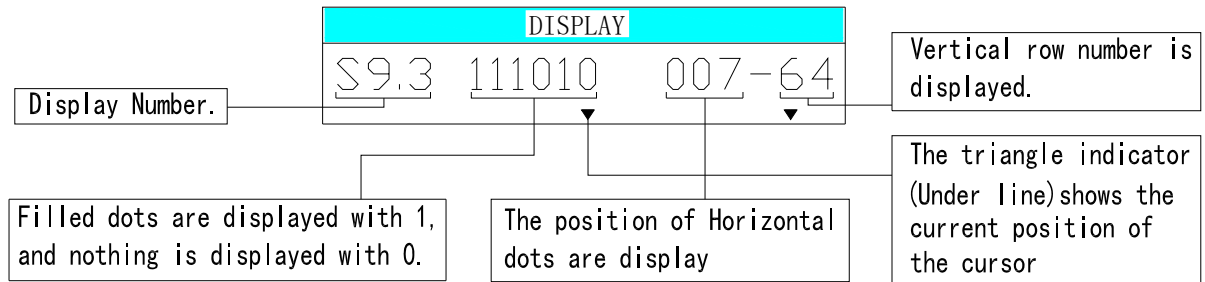
Example: DIGI Logo for label (37 x 30 dots)



3.9.2 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

Key	Function
[0]	Clear a dot.
[1]	Fill a dot.
[<<]	Move the cursor to left. [←]
[>>]	Move the cursor to right. [→]
[W]	Move the cursor to up. [↑]
[X]	Move the cursor to down. [↓]
[*]	Move up to the first dot in the next line.
[CODE]	Store the Data.

3.9.3 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.



3.9.4 Program Logo File

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

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[9] or [+] eight times	S9	LOGO	FILE	Select Logo programming mode.
[*]	S9.0	0	NO SET	Enter Logo programming mode.
[1][*]	S9.1	0	X-POS	Enter X position (Ex. 7 dots).
[7][*]	S9.2	0	Y-POS	Enter Y position (Ex. 1 dot).
[1][*]	S9.3	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][*]	S9.3	000000	001-02	Press [>>] key to move the cursor to next dot.
Press [>>] key 6 times	S9.3	000000	007-02	If necessary to change the position of the cursor been set, the following procedure is required.
[-][-]	S9.3	7	X-POS	Change the Horizontal start position (Ex. 5 dots).
[5][*]	S9.3	2	Y-POS	Change the Vertical start position (Ex. NO CHANGE).
[*]	S9.3	000000	005-02	After complete program Logo data, save it.
[CODE]	S9	LOGO	FILE	Store data, return to S mode.

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

3.9.5 Delete Logo File

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

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S9.0	0	NO SET	Enter Logo programming mode.
[1]	S9.0	1	NO SET	Enter Logo File number 1.
[-]	S9.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S9	0	NO SET	[C] for Yes, [T] for No. Delete Logo File 1, return to S mode.

Note 1: If you want to cancel the deletion, press [PIECES] key to exit.

Note 2: Non-existing Logo File cannot be deleted.

3.10 Memory Status

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

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[1][0] or [+] nine times	S10	MEMORY	STATUS	Select memory status check mode.
[*]	S10.0	P 6	LF 37980	
[TARE]	S10	MEMORY	STATUS	Return to S mode.

3.11 Program Multi-barcode File

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

3.11.1. Program Multi-barcode File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[1] [2]	S12	MULTI-	BARCODE	Select Multi-barcode programming mode.
[*]	S12.0	0	NO SET	Enter Multi-barcode programming mode.
[1][*]	S12.1	E_A	M 0	
[+]	S12.1		M 0	Select Multi-barcode data type.
[1][2][3][*]	S12.2	E_B	DEFAULT	Enter barcode data.
[+]	S12.2	E_B	EAN128	Select Multi-barcode type.
[CODE]	S12	MULTI-	BARCODE	Store data, return to S mode.

3.11.2. Delete Multi-barcode File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S12.0	0	NO SET	Enter Multi-barcode programming mode.
[1]	S12.0	1	NO SET	Enter Multi-barcode No. (Ex. No.1).
[—]	S12.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S12	MULTI-	BARCODE	[C] for Yes, [T] for No. Delete record. Return to S mode.

3.12. 2D BARCODE TEXT FILE

Maximum 999999 2D Barcode Texts are available for 2D barcode.

3.12.1. Program 2D Barcode Text File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
Press [MODE] key 3 times.	S1	PLU	FILE	Enter S mode. Lamp S turns on.
[1][3]	S13	2D BAR	TEXT	Select 2D BarcodeText programming mode.
[*]	S13.0	0	NO SET	Enter 2D Barcode Text programming mode.
[1][*]	S13.1	T01.01	S1 A 100	Enter 2D Barcode Text No. (Ex. 1).
[Q][U] ... [Y]	S13.1	T01.08	S1 A 92	Enter Text data (Ex. QUANTITY).
[SHIFT UP][X]	S13.1	T01.10	S2 A 92	Change font size to S2. (S1~S5; M1~M5)
[CODE]	S13	2D BAR	TEXT	Store data, return to S mode.

3.12.3. Delete 2D Barcode Text File

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	S13.0	0	NO SET	Enter 2D Barcode Text programming mode.
[1]	S13.0	1	NO SET	Enter 2D Barcode Text No. (Ex. No.1).
[—]	S13.0	DEL ?	Y-C N-T	Enter delete mode.
[C]	S13	2D BAR	TEXT	[C] for Yes, [T] for No. Delete record. Return to S mode.

4. REGISTRATION MODE**4.1 ON/OFF**1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Power on.	[ON/OFF]	STE70	VRxx.xx									
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			

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 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	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 8 8								
		0.0000kg	0	0	▼			▼	▼			
Place an item on the platter. (e.g. 1.kg)		1.0000kg	0	0					▼			
Remove the item from platter.		0.0000kg	0	0	▼			▼	▼			

4.3 Tare Subtraction**4.3.1 One touch Tare Subtraction**1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Put tare (Ex. 30 g) on platter.		0.0300kg	0	0					▼			
Subtract the tare weight.	[T]	0.0000kg	0	0		▼		▼	▼			
Remove the tare weight		-0.0300kg	0	0	▼	▼			▼			
Clear the tare weight.	[T]	0.0000kg	0	0	▼			▼	▼			

4.3.2 Digital tare Subtraction

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Key in the tare weight (Ex. 5g).	[0][.][0][0][5][T]	-0.0050kg	0	0	▼	▼			▼			
Clear the tare weight.	[T]	0.0000kg	0	0	▼			▼	▼			

4.4 Item Call Up

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Enter the ID Code (Ex. 123AB).	[1][2][3][A][B]	0.0000kg	0	0	▼				▼			
Call up.	[CODE]	0.0000kg	0.1000	0	▼				▼			
Return to stand-by-status.	[C]	0.0000kg	0	0	▼			▼	▼			

4.5 Set New Item Code in Registration Mode

This function is used to program a New ITEM in Operation Mode and update to ITEM Files. To enable this function, SPEC 4 must set to "0" in advance.

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Enter new ID Code (Ex. 123).	[1][2][3]	0.0000kg	0	0	▼			▼	▼			
Press [CODE] key to store the New Item in Item Files.	[CODE]		NEW	ITEM SET	▼			▼	▼			
Enter unit weight (Ex. 1.0000).	[1] [UNIT WEIGHT]	0.0000kg	1.0000	0	▼				▼			
Update new Unit Weight to the item 123.	[UNIT WEIGHT]	0.0000kg	1.0000	0	▼				▼			
Return to the stand-by-status.	[C]	0.0000kg	0	0	▼			▼	▼			
Call up item 123.	[1][2][3] [CODE]	0.0000kg	1.0000	0	▼				▼			

Note: If you want set new tare value and update to item, after set the tare value and then press [UNIT WEIGHT] key to store.

4.6 Manual Print

4.6.1 Item Label Printing

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 123.	[1][2][3] [CODE]	0.0000kg	1.0000	0	▼				▼			
Place the product on the platter (Ex. 0.5kg).		0.5000kg	1.0000	500					▼			
Issue label or receipt. * Note.	[*]	0.5000kg	1.0000	500	▼				▼			

Note: When the previous label remains at the Dispenser, a message “PLEASE PEEL LABEL” appears when press [*] key. If want to print out next label without removing the previous label, SPEC 48 must set to 0 “DISABLE” in advance.

4.6.2 Total Label Printing

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 123.	[1][2][3] [CODE]	0.0000kg	1.0000	0	▼				▼			
Place the product on the platter (Ex. 0.5kg).		0.5000kg	1.0000	500					▼			
Accumulate.	[+]		TOTAL	500					▼	▼		
Issue label or receipt. Return from Total mode. * Note.	[*]	0.5000kg	1.0000	500					▼			

Note: In Label Mode, label print when press [+] or [-] key can be select at SPEC 34.

4.7 Accumulation and Subtraction

There are two ways for individual product to issue total label or receipt.

1. Place the product on the platter.
2. Enter the known quantity of the product.

1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 123.	[1][2][3] [CODE]	0.0000kg	1.0000	0	▼				▼			
Enter the known Quantity for the product (Ex. 1000Pcs) for accumulation. * Note 1.	[1][0][0][0][+]		TOTAL	1000	▼				▼	▼		
Exit from Total Mode. * Note 2.	[C]	0.0000kg	0	0	▼				▼	▼		
Place the product on the platter (Ex. 0.5kg).		0.5000kg	1.0000	500					▼	▼		
Accumulate.	[+]		TOTAL	1500					▼	▼		
Exit from Total Mode.	[C]	0.5000kg	1.0000	500					▼	▼		
Enter the known Quantity for the product (Ex. 700Pcs) for subtraction.	[7][0][0][−]		TOTAL	800					▼	▼		
Issue label or receipt. Return from Total mode.	[*]	0.5000kg	1.0000	500					▼			
Remove the product from platter and then press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼			

Note 1: Max. 9999999 can be entered.

Note 2: Auto exit from Total Mode can be selected using SPEC 14.

4.8 Unit Weight Operation

4.8.1 Unit Weight Setting in Operation Mode

User can set new unit weight by sampling the product or enter the known unit weight by numeric keys.

4.8.1.1 By Sampling

1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Place the product on the platter (Ex. 0.1kg). * Note 1.		0.1000kg	0	0					▼			
Enter the product quantity (Ex. 50pcs). * Note 2.	[5][0]	0.1000kg	0	0					▼			
Press [PIECES] key to sample. * Note 3.	[PIECES]	0.1000kg	2.0001	50					▼			

Note 1: When the samples are placed on the platter, add few more samples if the Insufficient lamp is "ON" until Insufficient lamp is "OFF". Then enter the samples quantity by numeric key and press [PIECES] key.

Note 2: For product quantity of 10pcs, skip this step.

Note 3: Display Accuracy Unit Weight calculation during re-computing, can be set at SPEC 9.

4.8.1.2 By Numeric Key

1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Place the product on the platter (Ex. 0.1kg).		0.1000kg	0	0					▼			
Enter the known Unit Weight by numeric key (Ex. 20).	[2][0]	0.1000kg	0	0					▼			
Press [UNIT WEIGHT] key.	[UNIT WEIGHT]	0.1000kg	20.000	5					▼			

4.8.2 Re-computing Unit Weight in Memory

This function is used to set new Unit Weight by sampling and update to Item File in Counting Mode.

1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 1.	[1] [CODE]	0.0000kg	1.0000	0	▼				▼			
Place the product on the platter until the indicator of RECOMPUTING light up (Ex.0.1kg).		0.1000kg	1.0000	100			▼		▼			
Press [PIECES] key to Re-computing. * Note 1.	[PIECES]	0.1000kg	1.0002	100					▼			
Press [UNIT WEIGHT] key to update new Unit Weight to Item File. * Note 2.	[UNIT WEIGHT]	0.1000kg	1.0002	100					▼			
Remove the product from platter and then press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼			
Recall up the item 1.	[1][CODE]	0.0000kg	1.0002	0	▼				▼			

Note 1: Display Accuracy Unit Weight calculation during re-computing, can be set at SPEC 9.

Note 2: SPEC 4 “SET TO NEW ITEM”, must be set to 0: Yes, to be able to save Unit Weight.

4.9 Inventory Operation

This function is used to store the product quantity IN or OUT in Item File. Inventory operation only available after calling up an Item and then by pressing [SHIFT DOWN][I] or [SHIFT DOWN][J] key for IN or OUT Inventory respectively. There are two ways to store the Quantity data to Inventory file of the item, Manual Transaction and Total Transaction of the Individual Item only. (Inventory Operation is not available for Multiple Items Transaction).

4.9.1 Manual Transaction

1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 1.	[1] [CODE]	0.0000kg	1.0000	0	▼				▼			
Press [SHIFT DOWN] [I] key to select Inventory IN. * Note 1.	[SHIFT DOWN] [I]	0.0000kg	1.0000	0	▼				▼		▼	
Place the product on the platter (Ex.0.1kg).		0.1000kg	1.0000	100			▼		▼		▼	
Store the Quantity into the item Inventory IN. * Note 2.	[*]	0.1000kg	1.0000	100			▼		▼		▼	
Remove the product from platter and then press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼			

Note 1: Press [SHIFT DOWN] [I] key for Inventory In and press [SHIFT DOWN] [H] key to clear Inventory operation,

Note 2: In order to save the Quantity into the Item Inventory, SPEC 4 “SET TO NEW ITEM” must be set to 0: YES.

4.9.2 Total Transaction

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN		8 - OUT		
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 1.	[1] [CODE]	0.0000kg	1.0000	0	▼				▼			
Press [SHIFT DOWN] [J] key to select Inventory OUT. * Note.	[SHIFT DOWN] [J]	0.0000kg	1.0000	0	▼				▼			▼
Place the product on the platter (Ex.0.1kg).		0.1000kg	1.0000	100			▼		▼			▼
Accumulate.	[+]		TOTAL	100			▼		▼	▼		▼
Exit from Total Mode.	[C]	0.1000kg	1.0000	100			▼		▼	▼		▼
Enter known quantity (Ex. 500Pcs) by numeric key and press [+] key.	[5][0][0][+]		TOTAL	600			▼		▼	▼		▼
Store the Quantity to Inventory OUT.	[*]	0.1000kg	1.0000	100			▼		▼			▼
Remove the product from platter and press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼			

Note: Press [SHIFT DOWN] [I] key for Inventory In and press [SHIFT DOWN] [H] key to clear Inventory operation,

4.10 Function key**4.10.1 Net/Gross Key**

Gross weight displays are available in Registration Mode by press [SHIFT DOWN] + [M] key to enter Gross Mode.

Note: To enable this operation, SPEC 643 must set to "0" in advance.

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Put 300g weight on platter.		0.3000kg	0	0					▼			
Subtract the tare weight.	[T]	0.0000kg	0	0		▼		▼	▼			
Put another 500g weight on platter.		0.5000kg	0	0		▼			▼			
Enter GROSS mode.	[SHIFT DOWN] [M]	0.8000kg	GROSS	WEIGHT					▼			
Return to NET mode.	[SHIFT DOWN] [M]	0.5000kg	0	0		▼			▼			
Remove all weight from platter and clear the tare value.	[T]	0.0000kg	0	0	▼			▼	▼			

4.10.2 Switch Platform Key

Switching platform is available in Operation Mode by pressing the [SCALE] key to switch between Scale 1 and Scale 2.

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	9 - SCALE 1	10 - SCALE 2			
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	9	10
Stand-by-status.		0.0000kg	0	0	▼			▼	▼		▼	
Call up item 1.	[1][CODE]	0.0000kg	1.0000	0	▼				▼		▼	
Press [SCALE] key to change scale form scale 1 to scale 2.	[SCALE]	0.0000kg	1.0000	0	▼				▼			▼

Note: Weight Decimal Point position for Scale B depends on SPEC 610 setting.

4.10.3 Switch Weight Unit Key

This function is used to change the Weight Unit between kg and lb in Operation Mode. The default weight unit is set using SPEC 600. To enable this function, SPEC 642 (Kg/Lb Inhibit) must be set to 0: NO in advance.

1 - ZERO 2 - NET 3 - RECOM 4 - INSUFF 5 - LABEL 6 - Σ 7 - IN 8 - OUT

OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Put 0.1kg weight on platter.		0.1000kg	0	0					▼			
Change weight unit from kg to lb.	[SHIFT DOWN] [N]	0.2204lb	0	0					▼			
Change weight unit from lb to kg.	[SHIFT DOWN] [N]	0.1000kg	0	0					▼			

4.10.4 View Item Key

The following view keys list enables user to view the items data in operation mode.

Key Operation	Remark
[SHIFT DOWN][A]	To view the ID CODE.
[SHIFT DOWN][B]	To view the PART NAME.
[SHIFT DOWN][C]	To view the PART NUMBER.
[SHIFT DOWN][D]	To view the LOCATION.
[SHIFT DOWN][E]	To view the INVENTOTY.
[SHIFT DOWN][F]	To view the THRESHOLD.
[SHIFT DOWN][G]	To view the SET-POINT DATA. (Set point 1 and Set point 2)

										1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8					
Stand-by-status.		0.0000kg	0	0	▼			▼	▼								
Call up item 1.	[1][CODE]	0.0000kg	1.0000	0	▼				▼								
To view ID Code.	[SHIFT DOWN][A]	0.0000kg	1.0000	0	▼				▼								
To view Part Name.	[SHIFT DOWN][B]	0.0000kg	1.0000	0	▼				▼								
To view Part Number.	[SHIFT DOWN][C]	0.0000kg	1.0000	0	▼				▼								
To view Location.	[SHIFT DOWN][D]	0.0000kg	1.0000	0	▼				▼								
To view Inventory quantity.	[SHIFT DOWN][E]	0.0000kg	1.0000	0	▼				▼								
To view Threshold.	[SHIFT DOWN][F]	0.0000kg	1.0000	0	▼				▼								
To view Set Point 1.	[SHIFT DOWN][G]	0.0000kg	1.0000	0	▼				▼								
Press [<<] or [>>] key to view Set Point 2	[>>]	0.0000kg	1.0000	0	▼				▼								
Press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼								

4.10.5 Address No Key

										1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN	8 - OUT
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8					
Stand-by-status.		0.0000kg	0	0	▼			▼	▼								
Call up item 1.	[1][CODE]	0.0000kg	1.0000	0	▼				▼								
To change the address Number for temporary print on label.	[SHIFT DOWN] [L]	0.0000kg	1.0000	0	▼				▼								
Enter new Addr No (Ex. 9) and press [*] to store. * Note.	[9][*]	0.0000kg	1.0000	0	▼				▼								
Place the product on platter (Ex. 0.1kg) and press [*] key.	[*]	0.1000kg	1.0000	100			▼		▼								
Remove the product from platter and press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼								

Note: Press [C] key to Exit.

4.10.6 Lot No Key

This Function is for User to set and save new Lot No in Registration Mode and also can be used for all items when called up the item and press [LOT NO] key. To use this function, the SPEC 12 (KEEP LOT NO IN REGISTRATION MODE) must set to 0: ALLOW in advance.

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN		8 - OUT		
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Call up item 1.	[1][CODE]	0.0000kg	1.0000	0	▼				▼			
Press [LOT NO] key. * Note.	[LOT NO]	0.0000kg	1.0000	0	▼				▼			
Enter new Lot No (Ex. 234).	[2][3][4]	0.0000kg	1.0000	0	▼				▼			
Place the product on platter (Ex. 0.1kg) and press [*] key.	[*]	0.1000kg	1.0000	100			▼		▼			
Remove the product from platter and press [C] key to clear the Item.	[C]	0.0000kg	0	0	▼			▼	▼			

Note: If want to print original Item and Lot No on label, place the product on platter and press [*] key.

4.10.7 Sequence No. Key

This function is to allow the user to set and save new Sequence No. in Registration Mode.

		1 - ZERO	2 - NET	3 - RECOM	4 - INSUFF	5 - LABEL	6 - Σ	7 - IN		8 - OUT		
OPERATION	KEYS	WEIGHT	UNIT WEIGHT	QUANTITY	1	2	3	4	5	6	7	8
Stand-by-status.		0.0000kg	0	0	▼			▼	▼			
Press [SHIFT DOWN][K] key.	[SHIFT DOWN] [K]	0.0000kg	0	0	▼			▼	▼			
Enter new Sequence No (Ex. 234). * Note.	[2][3][4][*]	0.0000kg	0	0	▼			▼	▼			

Note: Press [C] twice to exit.

5. Report Mode

5.1. Report Type Selection

The DC-400 has report function to print out various kinds of transaction reports for analysis and checking. The types of reports are as shown in the table below.

Report Type	Contents
ITEM REPORT	Print item data programmed.
INVENTORY REPORT	Print item inventory data and item in/out count.
SHELF LOCATION PRINT	Print shelf location label.

5.2. Report Mode Entry

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	0.0000kg	0	0	R mode.
[MODE] [MODE]	X1	ITEM	REPORT	Enter X mode.
[+]	X2	INVENT	REPORT	Press [+] key to select next report.
[+]	X3	SHELF	LOCATION	Press [+] key to select next report.
Press [MODE] key 4 times.	0.0000kg	0	0	Return to R mode

5.3. Item Report

The item report can be printed on receipt paper. All Item Report or One Item Report can be selected to print.

5.3.1 One Item Print

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	X1.0	ITEM	REPORT	Enter X mode.
[*]	X1.1	ONE ITEM	PRINT	Enter Item Report mode.
[*]	X1.2		NO SET	Enter One Item Print mode.
[1][2][3]	X1.2		NO SET	Enter the existing Item Code for One Item Report printing (Ex. 123).
[*]	X1.0	ITEM	REPORT	Print One Item Report.

5.3.2 All Item Print

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	X1.0	ITEM	REPORT	Enter X mode.
[*]	X1.1	ONE ITEM	PRINT	Enter Item Report mode.
[+]	X1.1	ALL ITEM	PRINT	Select All Item Print.
[*]	X1.1	PRINT	ALL ITEM	Print All Item Report. * Note.

Note: To stop printing, press [FEED] key.

5.4. Inventory Report

On Inventory Report, there have three report can be select in this mode, Threshold Print, IN and OUT Count Print and Clear IN and OUT count file. The report will print on receipt paper.

5.4.1 Print Threshold Report

Threshold Report is to shows under-stocked or over-stocked items at various levels by presetting the optimal stock levels. This prevents stock outs and keeps optimum inventory balance. Threshold report can be printed, by entering the stock level percentage. The formula for Stock Level is shown as follows:

$$\text{Stock Level (\%)} = [(\text{Inventory} - \text{Threshold}) / \text{Threshold}] \times 100$$

Note: Only the items Stock level equal or below the entering percentage will printed on the report.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	X2.0	INVENTORY	REPORT	Enter X mode.
[*]	X2.1		THRESHOLD	Enter Threshold Report mode.
[*]	X2.2	0.00	STOCK %	Enter stock level (%) mode.
[−][2][0][0][0]	X2.2	-20.00	STOCK %	Enter the percentage of the stock level (Ex. - 20.00%).
[*]	X2.0	INVENTORY	REPORT	Print Threshold Report. * Note.

Note: To stop printing, press [FEED] key.

5.4.2 Print In / Out Count Report

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	X2.0	INVENTORY	REPORT	Enter X mode.
[*]	X2.1		THRESHOLD	Enter Threshold Report mode.
[+]	X2.1	IN/OUT	PRINT	Select In/Out Count Report.
[*]	X2.0	INVENTORY	REPORT	Print In/Out Count Report. * Note.

Note: To stop printing, press [FEED] key.

5.4.3 Clear In / Out Count Report

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	X2.0	INVENTORY	REPORT	Enter X mode.
[*]	X2.1		THRESHOLD	Enter Threshold Report mode.
[+][+]	X2.1	CLEAR	IN/OUT	Select clear In/Out Count Report.
[*]	X2.2	CLEAR	DAILY	Enter select reset type mode.
[+][+]	X2.2	CLEAR	ALL	Select clear all In/Out Count Report.
[*]	X2.0	INVENTORY	REPORT	Clear all In/Out Count Report.

5.5. SHELF LOCATION PRINT

This section is used to select shipping label format of the item for shipment. If standard format does not have the print area for programmed shipping data, it is required to use a free format with the print area for programmed shipping data.

OPERATION	DISPLAY			REMARK
	WEIGHT	UNIT WEIGHT	QUANTITY	
	X3.0	SHELF	LOCATION	Enter X mode.
[*]	X3.1		NO SET	Enter Shelf Location Print mode.
[1][2][A][*]	X3.2	DEF 0	LAB FR1	Enter ID Code (Ex. 12A).
[<<] or [>>]	X3.1	LAB FR	T6 6	Select Label format by press [<<] or [>>] key.
[*]	X3.0	SHELF	LOCATION	Print Shelf Location label.