

# BS-5024P

(MINI PRINTER)



OPERATING MANUAL

**BONGSHIN LOADCELL CO., LTD.**

## 8. Sample for printing format

### 1) HEADER (Print Mode/ Time / Code)

		Time interval mode
[MANUAL MODEL] 00/01/01 13:33:27 CODE : 123456	[AUTO MODEL] 00/01/01 13:33:27 CODE : 123	[INTERVAL MODEL] 00/01/01 13:33:27 INTERVAL : 02:30 CODE : 4567

### 2) Weight value

NO. 001	13 : 35 : 30
WT	123.4g
NO. 002	13 : 36 : 40
WT	1230.5g

### 3) Sub-Total

SUB TOTAL	
00/01/01	15 : 20 : 13
NUMBERS	: 5
CODE	: 123456
WT	5678.7g



1. Manual MODE : The printer will print only when the PRINT KEY is pressed.  
(MANUAL)

2. Auto MODE : The printer will be printed when the indicator is in stable  
(AUTO) after weighing.

(In case of accumulation weighing :

After the indicator return to Zero, the printer will print next weighing value automatically. )

3. Time interval MODE : The printer will print by setting time.

(INTERVAL) The minute/second can be set. If time is set by second only, it can be set minimum 10second.

(Setting Range : 10second ~ 60 minute)



- ① Power on simultaneously when the CLR KEY is pressed.
- ② Press key 1.
  - : Manual Mode
  - : Auto Mode
  - : Time interval mode
- ③ Press wait 1 second
- ④ Press CLR key.

### 3. Weighing Mode and How to set the code

- 1) The code will be possible to set up to 6 digit number.
  - The date and time will be automatically printed.
  - If less digit than 6 digit is input, press "ENTER" key in final step.

**※ If you do not enter into the setting mode, please confirm the baud rate and the connection status of printer cable.**

### 4. How to use the manual mode

- 1) The manual mode can be printed when the print key is pressed only.
- 2) When "print" key is pressed after the weight put on the scale, the printer will print.
- 3) Sub-Total print : Please press "SUB TOTAL" key.  
Time/Count/Sub-Total will be printed.
- 4) Grand-Total print : When "GRAND TOTAL" key is pressed, time/count/total weight/Max./Min./ Avr. and Dvr will be printed.  
After printing, the printer will return to the initial stage.
- 5) Changing of code : If "CODE" key is press, the code can be changed.

### 5. Auto mode

- 1) The printer will print in one time after stable weighing.
- 2) The next weighing can be possible when the weight is removed on the platform.
- 3) If the scale has an accumulation weighing, the weighing will be possible when the scale is to Zero by pressing Tare key.
- 4) Code changing/Sub-Total and Grand-Total are same as above manual mode.



♣ HEADER1

O	L
S	T
U	S

- OVERLOAD
- STABLE OVERLOAD
- UNSTABLE OVERLOAD

Data Weighing RANGE : ±99999.9

♣ HEADER2

N	T
G	S
T	R

- NET WEIGHT (Actual weight without tare)
- GROSS WEIGHT (The weight including tare)
- TARE WEIGHT ( Tare weight only)

♣ JNIT

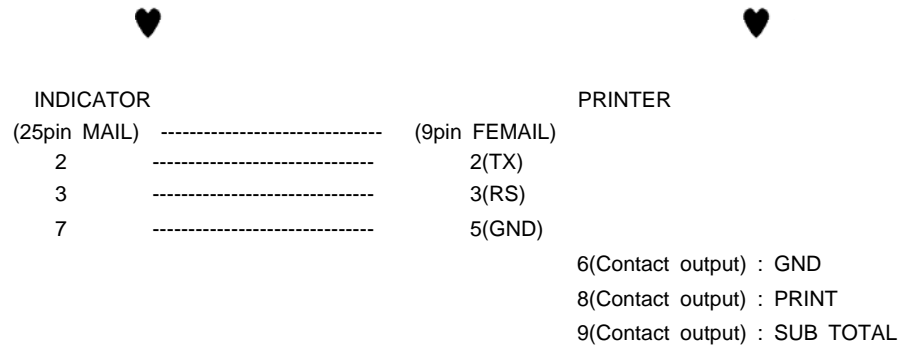
K	g
P	b
(20H)	t

- KILOGRAM (kg)
- POUND (1b)
- TONE (T)

- 1(Function Number 41) To be set by 0003
- 2 - To be set by 1 (Same as display)
- 3 - To be set by 1 (Stream Mode)
- 4 - To be set by 1 (Always available)
- 5 - To be set by 2 (Sending without Code Number)
- 6 - To be set by 2 (Sending without Address)

After setting by above procedure, the cable is connected.

If the keyboard does not be operated, please check the connection status with the cable.

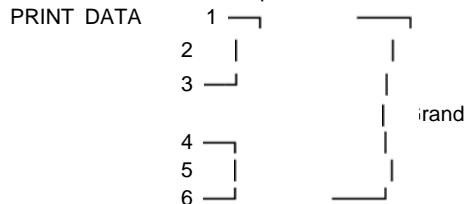


1) Keyboard

1 PRINT	2 DATE	3 TIME	CLR
4 CODE	5 SUB	6 GRAND	0 INTERVAL
7	8	9 FEED	ENTER

2) The function of each key

- 0~ : To be input Date, Time code, interval and any numbering code
- ENTER : To be setting the date & time
- CLEAR : To be clearing wrong data or code
- PRINT : To be printed under the manual mode
- SUB TOTAL : To be printed the Sub-Total in each mode
- GRAND TOTAL : To be printed the Grand-Total in each mode

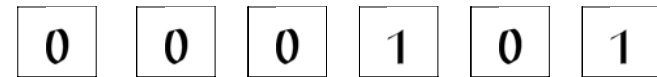


- ENTER : Store and move into next menu
- FEED : Line feed skip (Number 9 KEY)

## 1. How to set the DATE

- 1) The present date is displayed at LCD after the model number is displayed in power on.
- 2) If the date is correct, press "ENTER" key.  
the printer will enter into the date setting mode.
- 3) If you want to change the date, press "DATE" key.
- 4) The date can be memorized by numbering key with YY/MM/DD

ex) In case of 2000 Year/ Jan./ 01

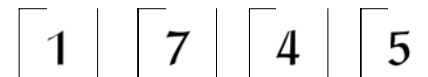


- 5) If you press CLEAR key, you can memorized again YY/MM/DD
- 6) When the setting of date is finished, press "ENTER" key.  
The printer will enter into the time setting mode.

## 2. How to set the Time

- 1) The printer will display the present time.
- 2) If the time is correct, press "ENTER" key.
- 3) If the time must be changed, press "TIME" key.
- 4) The new time can be memorized by HH/MM

ex) In case of 5 : 45 PM



- 5) If you press CLEAR key, you can memorized again YY/MM/DD
- 6) When the setting of date is finished, press "ENTER" key.



## 1. RS - 232C

- Basic : 2400BPS, 1STOP, 1START, EVEN PARITY
- DATA Output : STREAM mode (Weighing DATA will transfer continuously)
- BAUD RATE : To be selected out of 1200, 2400, 4800 & 9600
- START BIT : 1
- STOP BIT : 1
- SETTING : EVEN, ODD, NONE
- DATA BIT : 7 BIT



- ① Press CLR KEY, the POWER ON simultaneously.
- ② Press key number 2.
- ③
 

1 : 2400	
2 : 4800	
3 : 9600	
- ④ Please wait 1 second.
- ⑤ Press CLR KEY



- ①                    ⌀ then POWER ON simultaneously.
- ②                    ⌀ again.

You can confirm the BAUD RATE which was setting in printer.



## 6. TIME INTERVAL MODE

### 1) PLEASE SET THE INTERVAL MODE

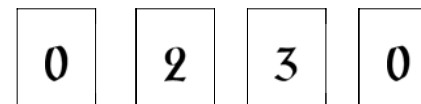
IF "ENTER" key is pressed in 00' 00", the TIME will be set "DEFAULT" 10 second.

2) The time interval model can be effected after pressing of ENTER key.

3) If you change the setting of time interval, press "INTERVAL" key.

Then, input the new time interval mm/ss

ex) 2 minute 30 second



4) The initial weighing data will be printed when " ENTER" key is pressed.

And, next printing time will be displayed.

5) The printer will print in one time by the setting interval time.

6) when the printer is to setting time, the data is printed.

And, it will be done continuously.

7) Sub-Total and Grand-Total are same as manual mode.

## 7. How to use ' CLR ' KEY

- This clear key will be used to clear the final weighing data after it was printed.

This data does not be included at the accumulation and average.

# MINI PRINTER SPEC

## BS-5024P

### 1. Basic Feature

- 1) Printing type : DOT MATRIX
- 2) Printing speed : 46 CPS
- 3) Printing column : 24 / 40 COLUMNS
- 4) F O N T : 5 X 7 DOT MATRIX
- 5) Character : English, numeric & special character
- 6) Character size : Can be enlarged up to two times.
- 7) Printing color : Black • 2 color printing
- 8) INTERFACE : RS - 232C SERIAL I/F
- 9) DIMENSION : 130(W) X 125(D) X 224(H)
- 10) Power supply : AC FREE VOLTAGE
- 11) PRINTER feature
  - ① Time, Date, CODE Number setting and weight display
  - ② Many kinds of data can be operated.
- 12) Application : INDICATOR, BALANCE, SCALE, FA EQUIPMENT, CHECKER, TRUCK SCALE  
AND ETC., FOR THE DATA RECORDING.

### 4) GRAND TOTAL

GRAND TOTAL	
00/01/01	16 : 31 : 12
NUMBERS	12
CODE	123456
WT	25678.9g
MAX	1230.5g
MIN	23.7g
AVR	732.2g
DEV	4.3000g
RNG	1206.8g

- ※ NUMBERS : WEIGHING COUNT  
CODE : SETTING CODE  
WT : TOTAL WEIGHT  
MAX : MAXIMUM DATA  
MIN : MINIMUM DATA  
AVR : AVERAGE DATA  
DEV : STANDARD DEVIATION  
RNG : RANGE OF DATA

