# **User's Manual**

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# [PRECAUTIONS]

The scale or indicator should always be used in an environment which is free from excessive air currents, corrosives, vibrations, temperatures and humidity extremes. These factors will affect displayed weight readings.

### DO NOT use the scale or indicator

Next to open windows or doors causing drafts or rapid temperatures changes! An operating temperature between -10 ~ 40 degree Celsius is recommended. Near air conditioning or heat ventilations! Near vibrating, rotating or reciprocating equipment! Near magnetic fields or equipment that generates magnetic fields! On a rough work surface!

#### Leveling the scale

(when the indicator is connected to a platform)

Always adjust the scale to a level position with level adjusters until the bubbles appear in the center circle of the level indicator!

### Battery

Recharged the battery whenever the symbol is flashing; this indicates that battery level is low. Charge the battery with the DC 9V / 1A adaptor supplied with the indicator. And when the battery is charging, the LED is red and when is fully charged the LED turns green. (it takes approximately 6 hours to charge battery completely)

# [INSTALLATION]

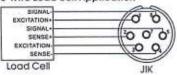
### Load Cell connections

### ■ 7 pin Load Cell connections

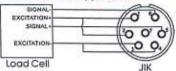


PIN	Load Cell Connections
PIN1	EXCITATION+
PIN2	SENSE+
PIN3	EXCITATION-
PIN4	SENSE-
PIN5	SIGNAL+
PIN6	SIGNAL-
PIN7	GND

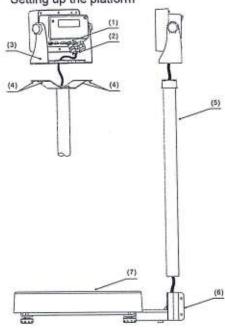
#### 6-Wire Load cell Application







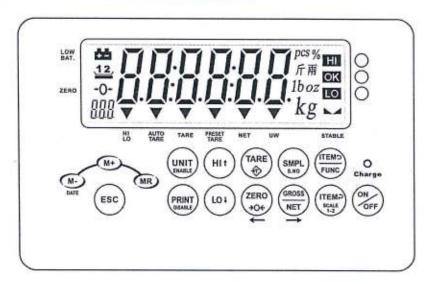
Setting up the platform



1	Load Cell (male) connector (7 pin)
2	Load Cell (female) connector (7 pin)
3	Indicator Stand
4	Supporter between frame and indicator
5	Pole
6	Pole holder
7 Platform	

- Assemble the scale by the following steps (refer to the diagram above)
  - 1. Prepare all the parts of platform and JIK indicator.
  - 2. Pull the load cell cable through pole holder (6) and upwards through pole (5), then come out from center of the pole holder (4), and fix the pole with cross-headed screws.
  - 3. Insert pole (5) into pole holder (6) and then tighten the screw.
  - 4. Pull load cell cable through indicator supporter (4) to connect to the indicator. Install Indicator supporter (4) and indicator stand (3) together.
  - 5. Connect the load cell cable to female socket (2), and connect male socket (1), then finished assembling.

### LCD display and function of each key



■ LCD display and explanation

LCD display	Explanation	
kg	Weighing unit in Kilograms or Grams unit	
-0-	" ZERO " sign	
<b>L</b> 4	Stable sign when the weight reading is stable	
pcs	Piece counting function	
% Percentage function		
-	Indication sign for insufficient unit weight, net weight, tare, pre-tare, Hi-Lo limits, auto tare.	
888		
HI OK LO	OK LO HI, OK and LO limits indication	
1b oz Additional weighing units		
Battery Power is weak		

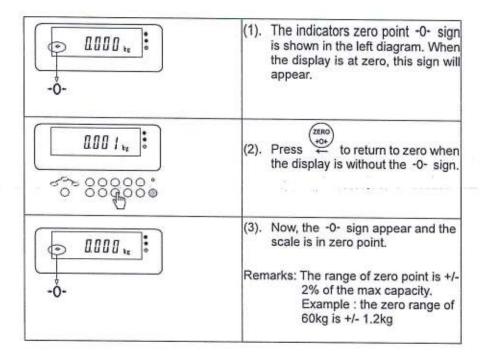
■ Explanation of each key

Posit ion	keys	Main function	Secondary functions
	OFF	Turns the indicator on or off	
1	M- DATE	To delete the accumulation weights or certain number of accumulated weight	2 Change the number when in
2	M+)	Accumulation	Change the digit when in parameter model (increased)     Change the number when in HI-LO checking mode     Press this key to enter the testing mode     Change the setting of accumulation mode

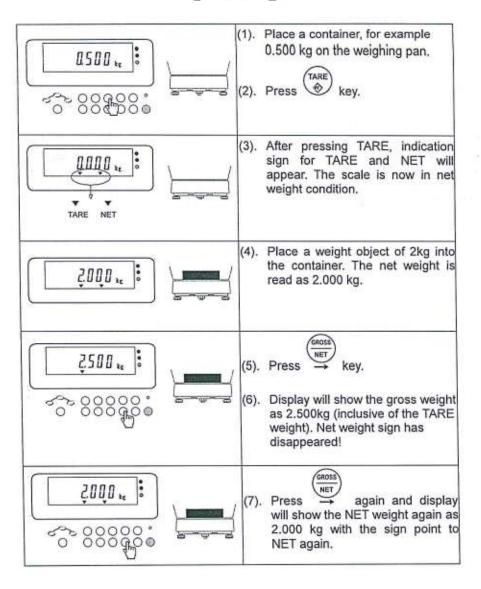
	15		Press this key to set the maximum unit of accumulation
3	ESC	Escape from current mode/position	Press to escape from parameter mode without saving the changes
4	(MR)	Recall total accumulation weights or certain number of accumulated weights	1 Conneille ( division - ut
5	UNIT	Switch the weighing unit from one to another	Enable auto tare function     Enable HI-LO checking function     Select the initial weighing unit and setting of the initial weighing unit
6	PRINT	Send the data stored in memory to printer or PC when pressed	Disable auto tare function     Disable HI-LO checking function     Setting of print format     Setting the space when in printing format mode (only forSH-24)     Setting of printing mode
7	Ніт	Enter to HI-LO checking mode for HI Limit	1. Change the digit when in parameter mode (increased)) 2. Select the sampling amount in sampling mode (increased) 3. Setting of serial number mode 4. Setting of maximum serial number 5. Setting of time and date 6. Select the print format (increased) 7. Select the accumulation mode (increased)
8	(rot)	Enter to HI-LO checking mode for LO limit	
9	TARE	Tare	To enter to pre-tare mode     To enter to auto tare mode

10	ZERO 404	Zero	Select the initial unit     Move the cursor to left when in parameter setting mode
11	SMPL s.no	Sampling average	Setting of serial number mode     Setting of maximum serial number
12	GROSS	Gross/Net Weight	Move the cursor to right when in parameter setting mode
13	FUNC		Selection of memory (increased)     Enter to parameter mode
14	ITEM-P SCALE 1-2		Selection of memory (decreased) or switch key when connect to two platforms.

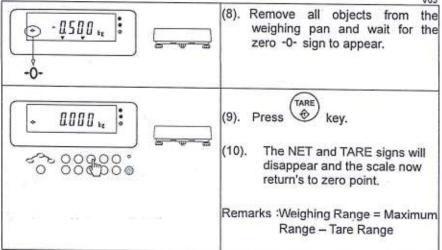
## [ ZERO ]



## [ TARE ]

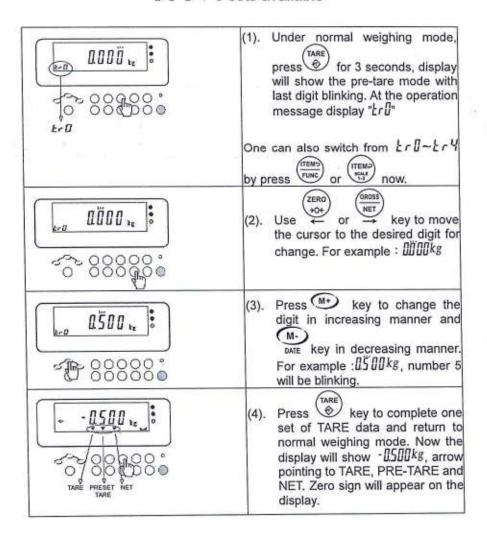


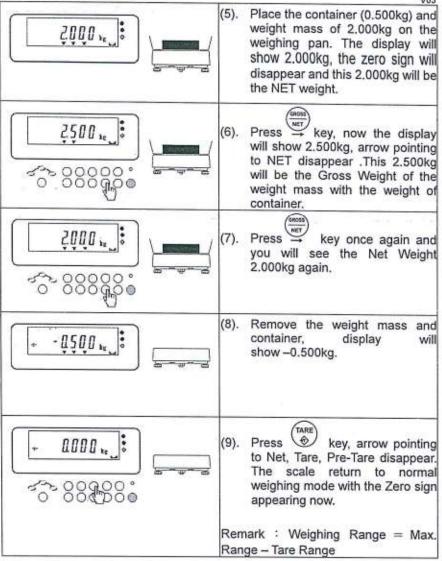




## [ PRE-TARE ]

### Er[]~ErY 5 sets available

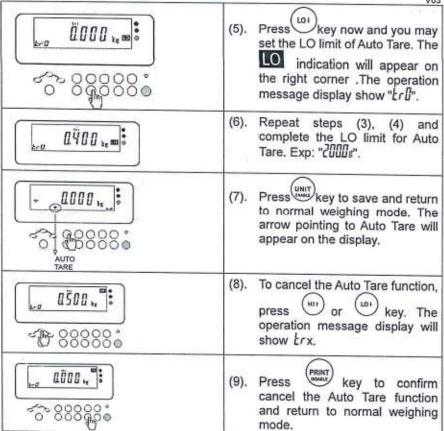




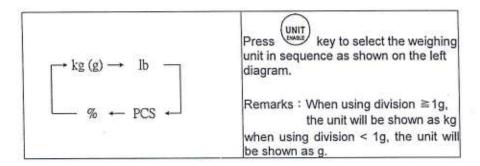
# [AUTO TARE]

# Łrű~Łr¥ 5sets available

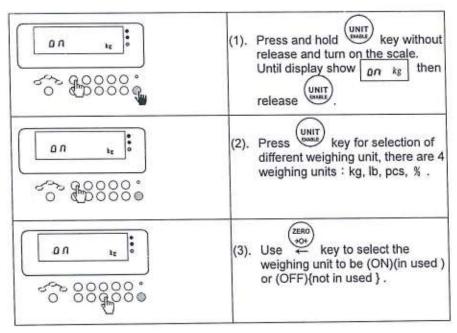
~ 0000	(1). Under normal weighing mode, press, display enter to Hi / Lo setting mode. The indication will appear on the top right corner .The operation message display show "H-U". If instead a "Lr U" displayed, skip (2) and jump to (3).
ZOOO ZOO	(2). Press key now and you may set the HI limit of Auto Tare.  The indication will appear on the top right corner .The operation message display show "Lr".  One can also switch from Lr"~Lr"
000 400 0000000000000000000000000000000	by press or now.  (3). Press or key to move the cursor to the desired digit for change.  Exp: : tra
1500 E	(4). Press M+ key to change the digit in increasing manner and press M+ key to change the digit in decreasing manner. For example: 1500kg, number 5 will be blinking.

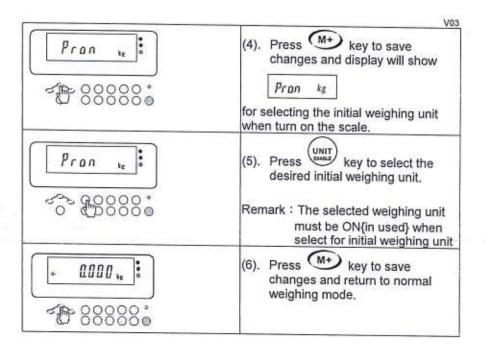


### [ SELECTION OF WEIGHING UNIT ]

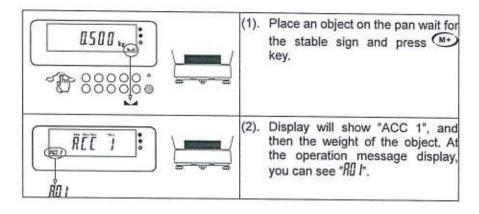


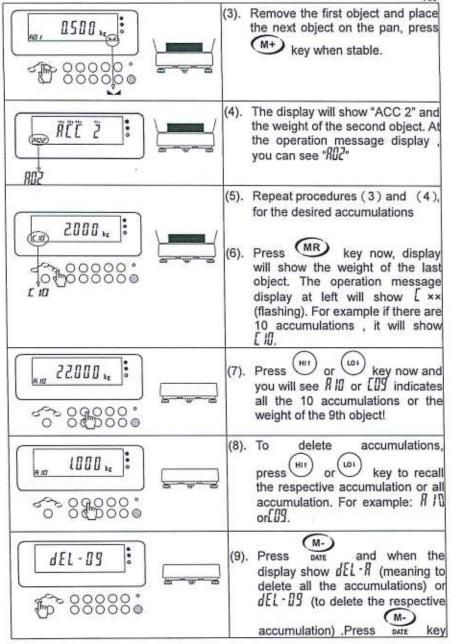
# **TUNIT IN USE AND INITIAL WEIGHING UNIT** SETTING ]

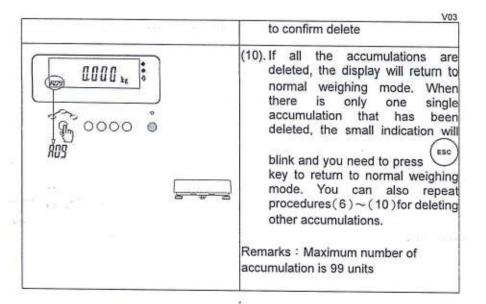




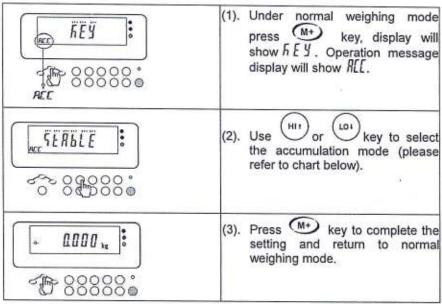
# [ ACCUMULATION ]







# [ ACCUMULATION MODE ]



※ Accumulation mode:

REY

: Accumulate manually by pressing.

SERBLE

: Accumulate when the weight is stable.

oĥ

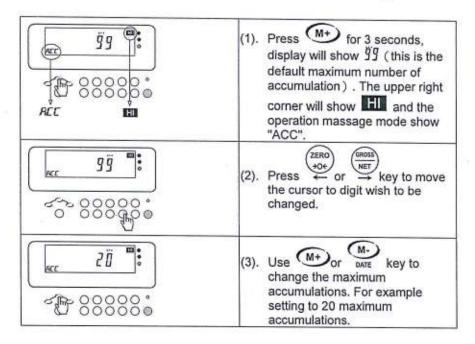
: Accumulate when the weight is within the HI,LO range ( OK

range)

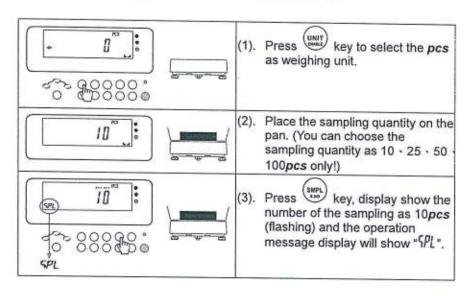
Remark: accumulation is workable without enable the HI-LO

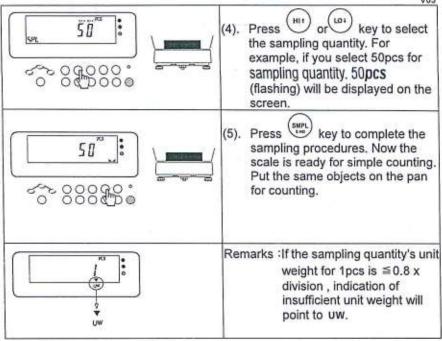
checking function.

# [ MAX ACCUMULATION SETTING ]

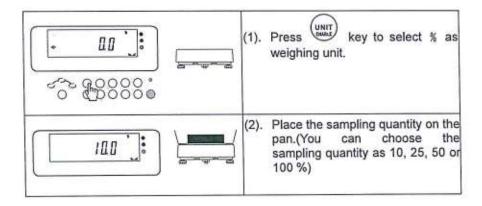


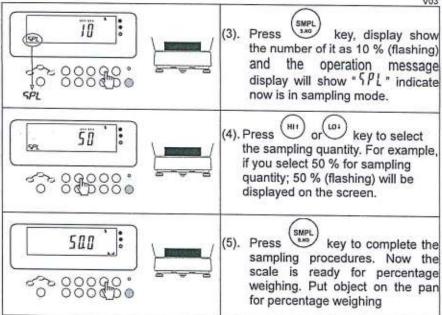
# [ SIMPLE COUNTING ]





## [ PERCENTAGE % ]

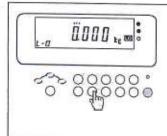




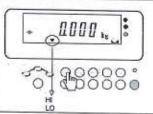
# [ HI/LO CHECKING ]

# H-0~K-9 · L-0~L-9 -- 10 sets available

	(1). Under normal weighing mode press key, display enter to HI / Lo setting mode. The indication will appear on the top right corner .The operation message display show "#-".
	(2). If the operation message display does not show II press key to make sure you can read II lat the operation message display.
	(3). Press ← or → key move the cursor to the digit you want to change.
,,, 0900 ta	(4). Press M+ or M- key to enter the number.
\$ 888889	(5). Repeat (3) (4) to complete the setting of HI limit.



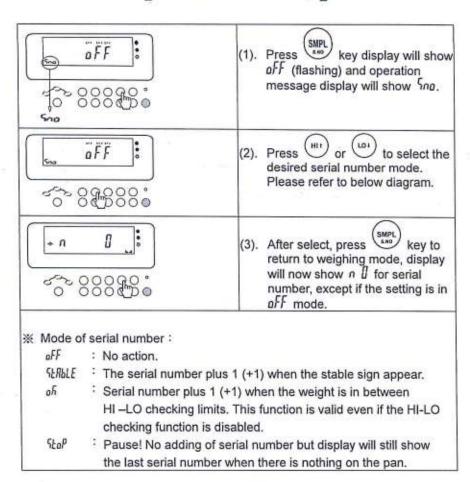
- (6). Press (6) key, indicator is ready for entering the value of the LO limit, the LO indication on the right will appear and the operation message display on the left will show L-II.
- (7). Repeat (3), (4), (5) to complete the setting of LO limit.



- (8). Press 🖶 key to activate the checking function and press key to disable this function. At this point, the arrow pointing to HI-LO checking will appear and HI-LO checking function is ready for operation.
- (9). To cancel the function of HI-LO checking, press (1817) or (1917) key when the indication of HI-LO indication signs is on the LCD. Follow by pressing key. HI. LO indication signs will disappear and this function is disabled.

Remarks : LO limits must be ≦ HI limits

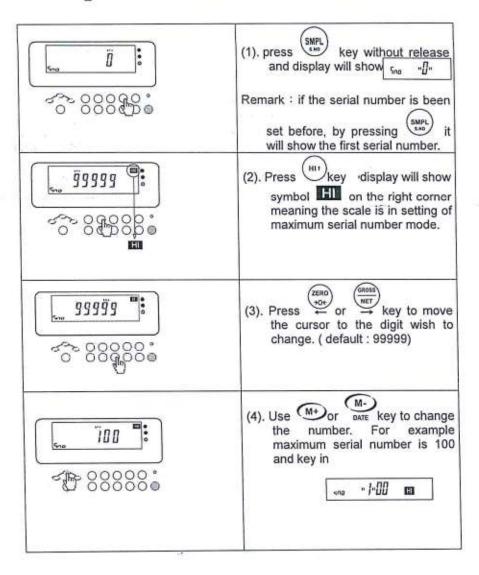
## [ SERIAL NUMBER ]

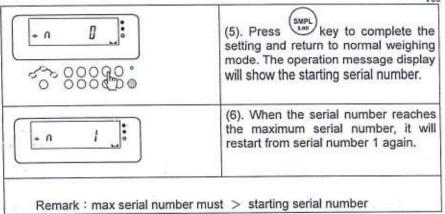


# [ STARTING SERIES NUMBER SETTING ]

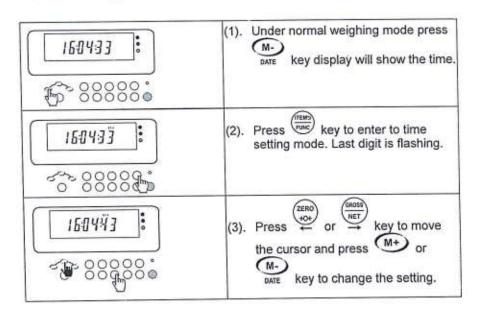
FF :	Under normal weighing mode,  press key to enter to setting of serial number mode . Display will show \( \lambda_{n_0} \) pff
- 09000°	(1). Press or key to setting of serial number mode . Example : Setting is "OK"
[ [ ] : [ ]	(2). Press key for 3 seconds, display will show
- <u>III</u> :	(3). Press ← or → key to move the cursor selected digit for change *Example :Serial number starting from 100, then move the cursor to :
	(4). Use M+ or DATE key to key in the number. Example : 100 is the starting serial number
-n 100 :	(5). Press key to save the changes and return to normal weighing mode. Now the starting serial number is 100
	Remarks : Max. serial number is 99999

## [ MAX SERIAL NUMBER SETTING ]





## [ TIME AND DATE SETTING ]

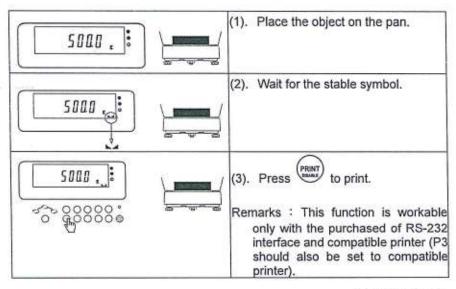


Remarks: After switching off the indicator,

the date/time will be erased unless if this indicator is equipped with RTC + Rs232.

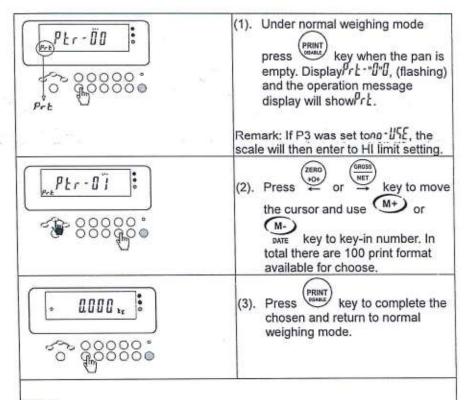
## [ PRINT ]

000000



## [ PRINTING FORMAT SETTING ]

This function is applicable only when the Parameter P3 - Printer Type is set to normal, SH-24, BP-443D or EZ-2P.



#### Note:

- There are three options of printers available: SH-24 (dot-matrix printer), SH-16, BP-443D (Label printer) or EZ-2P (Label printer).
- 2. U-KEY Connector used to connect scale and PC, and output the weighing data to PC in forms of Excel or Word and so on.

# [SPACE BETWEEN LINES WHEN PRINTING ]

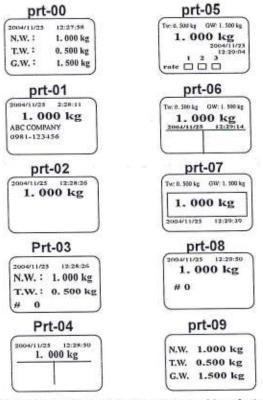
Only available for SH24 / normal

	(1). In parameter for printer(P3) choose the setting to SH-24 / NORMAL				
Prt- II	(2). Press key and display shows Prt-II. The operation message display will show Prt.				
L in E - Ï	(3). Press key, display show Line-"I". The operation message display will show Prt.				
L INE-2	(4). Press M+ or M- key to set the number of empty lines (space) when printing.  {minimum =0 · maximum=9}				
- 1000 · ·	(5). Press key to complete the setting and return to normal weighing mode.				

## [PRINTING MODE SETTING ]

\* This function is applicable only when the Parameter P3 - Printer Type is set to normal, SH-24, BP-443D or EZ-2P. (1). Press key. Display show rt - 1111 Prt-"0" · operation message display show Prt. TEM-S FUNC SERBLE key. Display will (2). Press show the printing mode. Example : 5ERbLE. € 8888 € (3). Use key to select oh the printing mode. (refer to the below mentioned chart) \$\$ 8**6**8888 PRINT 00. (4). Press key to save changes and return to normal weighing mode. 500000 ရှို့ဝိဝိဝိစ \* : Print manually by pressing PRINT key 5F4 : Print continuously when connecting to PC or large LED Contin Display : No action no : Print after stable symbol appear SERBLE : Print when weight is between HI-LO limits (this function is oh valid even if HI-LO checking function is disabled)

# [ Samples of BP-443D / EZ-2P Printing Format]



\* 10 Print format are preset in printer by Manufacture \*

#### Note:

- (1) Please contact your supplier/-dealer for additional EZ-2P & BP-443D print formats.
- (2) A memory card has to be installed in EZ-2P. (BP-443D memory card is standard)
- (3) The print formats are installed into the printers through PC. Please email your specific requirement to us and we will make the requested print format for you.

# [ Samples of SH-24 Printing Formats ]

		When	n AE	[[]] appea	ar under dis	play of a	accumulati	on,
Prt-00	0.379kg	press	PR	key the	print-out w	ill like a	s following.	
Prt-01	2002/01/01 00:09:23 0:379kg		200	2/01/01 00:09:2	3			
Prt-02	#1 0.379kg		[1] [2]	0.100 kg 0.100 kg	70.0			
Prt-03	2002/01/01 00:09:23 #1 0.379kg		200	0.100 kg	-			
Prt-04	N,W: 0:379 kg T.W: 0:100 kg G.W: 0.479 kg			0,300 kg			FF -	
Prt-05	2002/01/01 00:09:23 N.W: 0:379 kg T.W: 0:100 kg G.W: 0:479 kg							
Prt-06	H1 N.W: 0.379 kg T.W: 0.100 kg G.W: 0.479 kg							
Prt-0	7 2002/01/01 00:09:23 #1 N.W: 0:379 kg T.W: 0:100 kg G.W: 0:479 kg							

#### Remark:

Without any commands, the printer are able to print format Prt00~Prt07 when connected to a parallel port printer.

### [Samples of SH-16 Printing Formats ]

Prt-00 0.379kg Prt-01 2002/01/01 00:09:23 0.379kg Prt-02 =1 0.379kg Prt-03 2002/01/01 00:09:23 #1 0.379kg Prt-04 N.W: 0.379 kg T.W: 0.100 kg G.W: 0.479 kg Prt-05 2002/01/01 00:09:23 N.W: 0.379 kg T.W: 0.100 kg G.W: 0.479 kg Prt-06 m N.W: 0.379 kg T.W: 0.100 kg G.W: 0.479 kg Prt-07 2002/01/01 21 N.W: 0.379 kg T.W: 0.100 kg G.W: 0.479 kg

When appear under display of accumulation, press PRINT key the print-out will like as following.

(1)	0.100 kg
[2]	0.100 kg
(3)	0.100 kg

2002/05/01

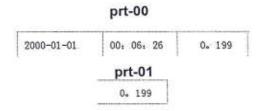
Prt-08

Prt-09 2002/01/01 09:20:45

#### Remark:

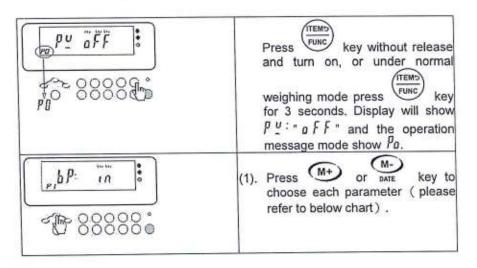
Without any commands, the printer are able to print format Prt00~Prt07 when connected to a parallel port printer.

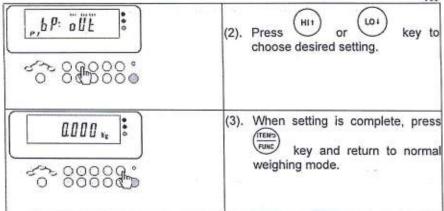
### 【 U-KEY Printing Format 】



Note: With U-KEY connecting wire, the scale could output its weighing data to Excel or word and other system (compatible with WinXP/Win7).

### [ PARAMETER SETTING ]





# [ PARAMETER ]

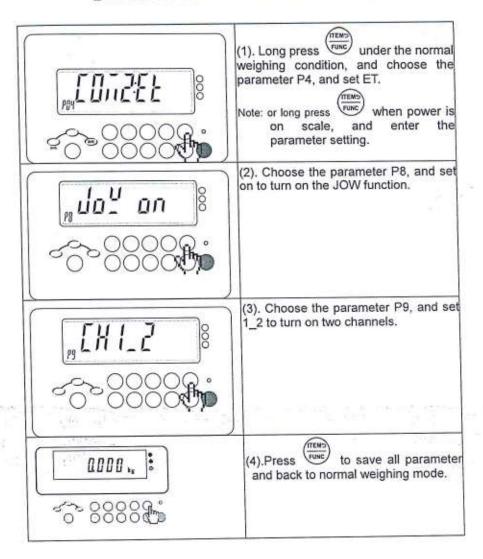
No	Function	Display	Detail		
		oFF	Off ( No action )		
- 4		5	5 minutes		
222	live see	10	10 minutes		
PO	Auto Power Off	30	30 minutes		
	(Weights < 20d)	<b>☆ 60</b>	60 minutes		
		90	90 minutes		
	Beeping	☆ ın	Scale: Enable the HI-LO checking functions, beeps when the range is between HI & LO		
P1	(The effect of this parameter is to determine when to have beep sounds during Hi/LO/OK checking.)	oUŁ	Scale : Enable the HI-LO checking functions, beeps when the range is out of HI & LO		
		Ein	Option: Relay with light tower: beeps when the range is between HI & LO		
		Eallt	Option: Relay with light tower: beeps when the range is out of HI & LO		
		☆ off	No action of Hold		
HOLD (able to hold the displayed weight after load is remove)		an	Able to hold the displayed weight and print a the same time after pressing print key (when there is loading). Press Key to clear		
		☆ no-USE	No printer		
		noriiRL	N/A		
Р3	Printer type	U-KEY.	Work with PC and output the weighin data to Excel or others, and it is compatible with WinXP/Win7		
	Setting of this parameter determines	SH-24	Normal dot-matrix printer		
	the data format for the	25bc8	Label printer		
	connected printer type	6P-443	Label printer		
	7	E7 -2P	Label printer		
		GodES	Label printer		
		EŁ	LED big display		

V03

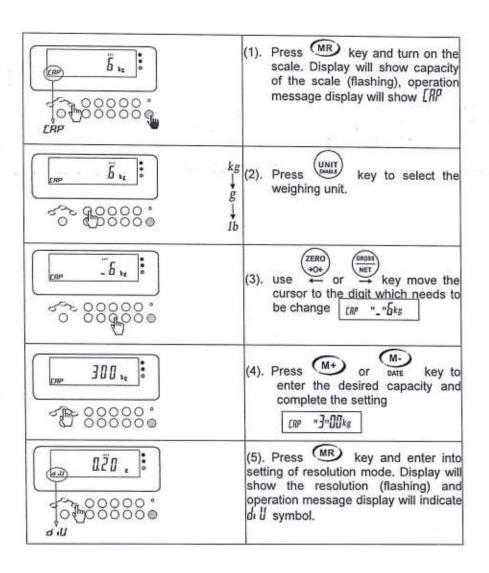
		сх		CX big display				
			SH-16	Dot-matrix printer				
			Eh	CX Display				
P4	СОМ2	EŁ		LED Display				
	RS-232 Baud Rate		2400	CEO Display				
	Setting of this	П	4800					
P5	parameter determines	☆	9500					
	RS-232 data transmission rate.		19200					
	RS-232Data	☆	nB !					
	Format		081	The state of the s				
P6	Setting of this		EBI					
го.	parameter determines the RS-232		171					
	transmission data		071					
	format.		ETI					
P7	Backlight		oFF	No Backlight				
	Nasi		on	Backlight is on always				
		众	SRuE	Backlight when stable sign appear Off automatically 5 seconds afte stable weighing				
			AULo	Auto (backlight is actuated wher weight loading is over 20d)				
P8	JOW switches		pn	Channel 2 for JOW				
			oFF	Channel 2 for SCALE 2				
P9	Channel	公	1	Channel 1				
			2	Channel 2				
			1.2	Dual Channel				

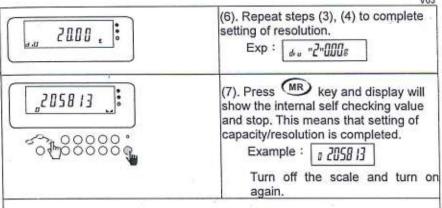
Note: the default setting for A19 12C, when P4 is used.

### 【Connect JIK-8 to JOW and LED】



### [ CAPACITY/RESOLUTION SETTING ]





Note:

Maximum capacity to be set for this indicator is 400000kg.

Minimum division to be set for this indicator is 0.01g.

Whenever the capacity / resolution is set or changed, be sure to re-calibrate according to calibration procedure located in service manual.

# [ Division Configuration Chart ]

	Kg	g	lb
Max	5000kg	Max 5000g	Max 500lb
2000kg		2000g	200lb
	1000kg	1000g	100lb
	500kg	500g	50lb
	200kg	200g	20lb
	100kg	100g	10lb
	50kg	50g	5lb
	20kg	20g	2lb
10kg		10g	1lb
	5kg	5g	0.5lb
	2kg	2g	0.2lb
	1kg	1g	0.1lb
	0.5kg	0.5g	0.05lb
	0.2kg	0.2g	0.02lb
	0.1kg	0.1g	0.01lb
	0.05kg	0.05g	0.005lb
	0.02kg	0.02g	0.002lb
	0.01kg	0.01g	0.001lb

# [ TESTING MODE ]

# 88888 # 88888			the s	al co	isp	key and turn on lay will show the nt value and age display show
300 m;	= 2		opera	the se	ttin	key, display will g of capacity, the sage display will
# 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8			appe	ents aring. T	in his	key and all display are is to check if the od condition.
7 : ·			2.		to	ey display show check the key on.
25 000000 E			(5). After	KG.		completed press
※ Relative position						
1 : Memory cancel	6	0	print	11	्र	Sampling
2 : accumulation	1. 7		HI limit	12	1	Net/gross
3 : escape.	8	:	LO limit	13	;	Item/Function
4 : Memory reca	all 9	;	Tare	14		Item/Scale
5 ; Unit.	10		Zero			

# [ERROR MESSAGES]

Error Message	Reasons / Possible Caused	Solutions				
The CPU unable to read the EEPROM		Contact the manufacturer or nearest agent				
E1 [RL-d	Unable to read the 3 points calibration range	Refer to "service manual" for calibration procedures				
E2 7¥;	Zero Point is too high	Make sure the pan is empty when turn on the scale or perform the 3 points calibration.     Check the connections of wires				
E3 ?Lo	Zero Point is too Low	Make sure the pan is on the scale or perform the 3 points calibration.     Check the connections of wires.				
E4 Un5tAb	Unstable zero point	Make sure there is no winds or vibration.     Check the connections of wires.				
E5 LC-oF	(1)Load cell spec. not compatible. (2)calibrating weights mistake	Replace with a compatible load cell.     Change with correct calibrating weights.				
E6 no L[	Load cell read out always the same	(1)Check if load cell wires are connected correctly.				
E10 [[h-b	Optional RS-232(RTC) batteries run out	Replace the batteries				
E11 di FF	Unable to accumulate. Two objects are with different units.	Press twice to clear all accumulation data or press and return to normal weighing mode.				

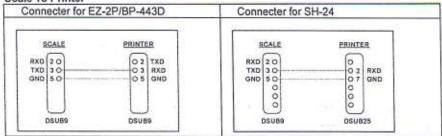
		V03
E12 ou-XX	Accumulation data exceed preset maximum	Press twice to clear all accumulation data or press and return to normal weighing mode.
E13 LajKı	Hi / Lo setting incorrect	Press HIT or LO4 key and reset HI / Lo value.
E20 XXXXX	External division over Maximum (XXXXX is external resolution)	Press MR and reset Capacity / Resolution
E21 dul XX	Capacity / Resolution Setting inaccurate.	Press ENDIS and redo Calibration (make sure the calibrate weight is correct).
	Overload (Maximum display= max .capacity + 9e )	Remove the object from the weighing pan.
	Indicator unable to Switch On when pressing key	Use a tool to press the RESET key located at the back of the indicator to turn on the scale and clear the problem.

# [ LCD CHARACTERS ]

0	1	2	3	4		5	6	7	8	9		
I	1	Ç	3	4		5	5	7	8	9	ž	
	В					G			J		L	M
R	Ь	[	q	E	F	Г	H	ı	ŋ	Ћ	L	11
N	0	Р	Q		S		U		W	X	Y	z
n	۵	P	9	r	5	F	IJ	П	Ĺ	ין	y	٦

### [CONNECTER]

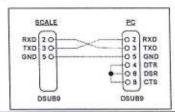
#### Scale To Printer





When you want a scale to transmit data to PC continuously.

- Using a cable as following to connect Scale and PC
- (2) Set printer mode as continue
- (3) Scale data will be sent to PC continuously, (of course, you must have the receiving software on the PC)



Only pin 2, 3 and 5 are used.

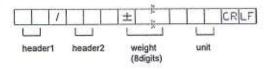
### [DATA PROTOCOL]

#### Output Data when Print Mode set as Continue

(header1: ST=STABLE ( header2: NT=NET

US=UNSTABLE) GS=GROSS)

For example: ST /NT + 12.350 kg

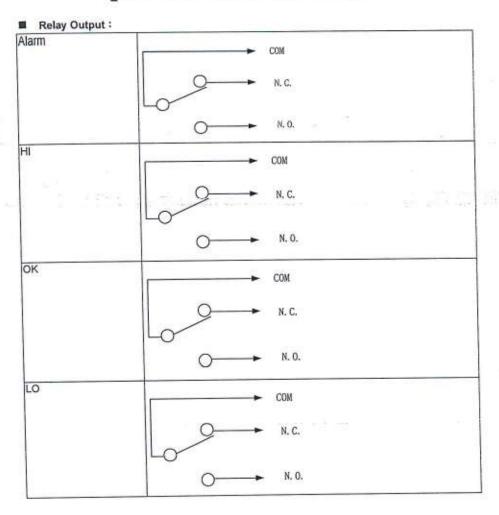


Input commands

"T" = perform TARE function

"Z" = perform ZERO function

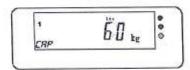
## [RELAY MODULE DIAGRAM]



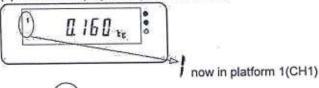
#### ■ Relay Contact Spec 1A/24VDC +0.5A/125VAC +0.25A/250VDC (Reminder: suggest to adding a ferrite core on the cables)

### [ DUAL PLATFORM OPERATION CH1,CH2 ]

- (1) Set parameter 8(P8) to 1\_2.
- (2) Turn off the indicator. Restart the indicator with (MR) key pressed. Now you are entered to platform1 (CH1).



- (3) Set the capacity / Resolution and perform calibration of platform 1.
- and switch to platform 2(CH2).
- (5) Set the capacity / Resolution and perform calibration of platform 2.
- (6) Turn off the indicator now and then restart.
- (7) Now the display is for platform 1(CH1).



for switch between CH1 and CH2.

#### Features:

- Each platform has respectively Serial Number and Max. Serial Number.
- (2) Each platform has respectively 10 sets of Hi/Lo, 5 sets of Auto Tare and 5 sets of Pre Tare memories.
- (3) Printing format for two platforms can be set to different one at the same time.

#### Accumulation:

(1) Accumulation is only allow for either one platform.

# [PRODUCT SPECIFICATIONS]

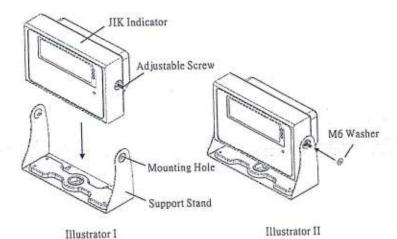
### 1. General

Enclosure	ABS	SIS				
Demensions	230(W) * 150(H) * 90(D) mm					
Display	6digit 30mm(H) & 3digit 10mm(H) LCD(include EL backlight)					
Units	kg or g , lb , pcs , %					
Power	Adaptor 9V/1A Recharging Battery 6V/3Ah	Adaptor 9V/1A Recharging Battery 6V/3Ah can be selected				
Weight(include Battery)	Approx. 2,5kg	Approx. 2.8kg				

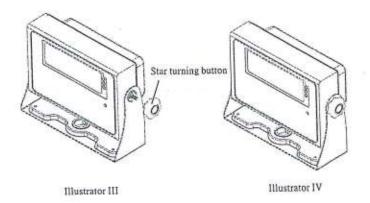
### 2. ADC and Loadcell

	Model	Advanced			
	Transform Mode	Δ - Σ			
	Internal Resolution	Approx. 5,000,000 counts Max. 6,000d(OIML) Max. 60,000d(non-OIML)			
ADC	External Resolution				
	Conversion Speed	10 times/sec			
Syst	em Linearity	Within 0.01% of FS			
	Excitation	5VDC ± 6%, 120mA (drives up to 8 * 350 L.C.)			
Loadcell	Full Scale	-10 ~ 40mV(include dead load)			
	Input Sensitivity	Min. 0.7uV/d			

# [ ASSEMBLY MANUAL OF JIK INDICATOR AND SUPPORT STAND ]



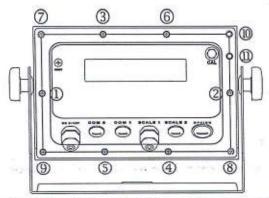
- 1. Using adjustable screw to pass through mounting hole. (illustrator I)
- 2. Put M6 washer onto adjustable screw. (illustrator II)



- Rotating the star turning button into adjustable screw. (illustrator III)
- Adjust the indicator to the best view, and then rotate it tight via star turning button. (illustrator VI)

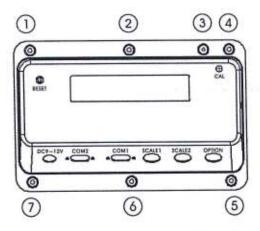
### [ FIXING SCREW INSTRUCTION FOR JIK ]

#### Stainless Steel Series



- After connecting load cell and optional devices (RS-232, RELAY), fix all screws attached fallow the above numeric sequence.
- If using an electric screwdriver, set the torque range to 5-6 kgf.cm.
- Sealing screws are to be located at sequence CAL and 11.

#### **ABS Series**



- Sealing screws are to be located at sequence CAL and 4.
- Grounding wire to be connected on position 3.

### [ SINGLE POINT CALIBRATION FOR WEIGHT ]

#### Step I (Enter into calibration mode)

Turn on the scale by holding down key until CAP is shown on the lower left screen, i.e. the scale has entered into the calibration mode.

Note: If the calibration unit, capacity, and resolution have been set, you may skip Steps II-IV and press (MR) key to enter into Step V to perform zero point calibration.

#### Step II (Select Calibration Unit)

You may select calibration unit (kg, g) by use of

#### Step III (Capacity Setting)

key to shift the flickering digit left or right; press (Me), (Me) key to set any value between 1-9; after setting, press (Rev to enter into the next step.

#### (Resolution Setting) Step IV

key to shift the flickering digit left or right; press ( key to set any value between 1, 2, 5; after setting, press key to save and show the offset-value; press the weighing pan gently, if the value changes, it's normal.

#### Step V (Zero Point Calibration)

Press (MR) key to perform zero point calibration; when CAL on the lower left stops flickering, zero point calibration is completed with CAL \*\*kg shown.

Note: If the show value is very unstable, press ( key to enter into stb adjustment function, use (\*\*) key to extend the range of stb (it is recommended to adjust one segment each time), after confirmation, press (a) key to save setting and the zero point calibration will be performed automatically. Or use 🕏 to skip the zero point calibration, and use last zero point directly.

Step VI (Single-point Calibration) Note: If to perform three-point calibration, skip this step. key to shift the flickering digit left or right; press to adjust the value; input the weight value to be calibrated, and put the correct weight onto the weighing pan, then press (MR) key to save and confirm, once PASS is shown, take away the weight on the weighing pan and restart the machine for normal use. (Three-point Calibration) key for 3 seconds until C-1 is shown at the lower left corner. First Point C-1: Press and we key to shift the flickering digit left or right and to set values; input the weight value to be calibrated, and put the correct weight onto the weighing pan, press (MR) key to confirm and perform calibration. Second Point C-2: Put the weight to be calibrated onto the weighing pan, the weight value will be shown automatically on the screen; press (see to confirm and perform calibration.) Third Point C-3: Put the weight to be calibrated onto the weighing pan, the weight value will be shown automatically on the screen; press (MR) key to confirm and perform calibration. Once PASS is shown, take away the weight on the weighing pan and restart the machine for normal use. Recalibration: If any error occurs during calibration, press key to return to zero point calibration mode and perform calibration according to the calibration procedures. Note: The weight value in three-point calibration shall comply with C-1 < C-2 < C-3.