



WEIGHING INDICATOR WP

User Manual



Content

1. OVERVIEW
2. MAIN TECHNICAL SPECIFICATIONS
3. KEYBOARD FUNCTIONS AND INSTALLATION INSTRUCTIONS
4. GENERAL FUNCTION USAGE SETTINGS
5. ERROR MESSAGE PROMPT
6. MAINTENANCE AND PRECAUTIONS

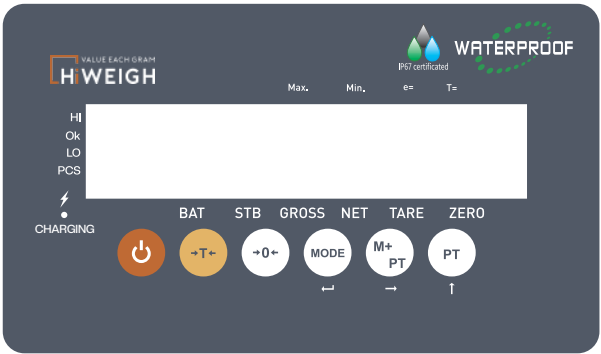
1. OVERVIEW

The WP weighing indicator is an intelligent weighing instrument with a microprocessor. It not only provides fast and accurate weighing, convenient operation, AC/DC power supply, and an LCD display, but also features low power consumption, stable performance, and a compact structure. Currently, this product is an ideal accessory for various electronic platform scales, electronic floor scales, and other weighing and measurement instruments.

2. MAIN TECHNICAL SPECIFICATIONS

1. Accuracy Class: Class III.
2. A/D Conversion Speed: 40 times/s.
3. External Display Resolution: 1/15000.
4. Nonlinearity Error: $< 0.016\%FS$.
5. Sensor Sensitivity Range: $1.0 \sim 2.0mV/V$.
6. Communication Interface:
Compatible with RS232 output interface and printer with RS232 output interface.
7. Display Method: Large 7-digit LCD display (with automatic backlight function), character height 26.4mm.
8. Power Supply:
(1) AC/DC 12V 500mA adapter;
(2) DC 6V/4Ah rechargeable battery
(this configuration must be specified when ordering).
9. Power Consumption: 0.6VA.
10. Operating Temperature: $0^{\circ}C \sim 40^{\circ}C$.
11. Operating humidity: $\leq 85\%RH$.
12. Dimensions: $258 \times 154 \times 68$ mm.
13. Weight: Approximately 1.35 kg.

3. KEYBOARD FUNCTIONS AND INSTALLATION INSTRUCTIONS



	Stable indication		Battery capacity indication
	Gross Weight indication		Net weight indication
	Tare mode		Zero indication
HI/OK/LO	Check weighing indication	HOLD	Animal weighing
PCS	Counting function	kg/lb/t/g/ PCS	Weigh units

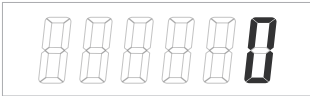
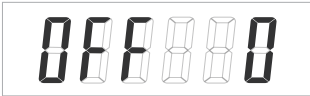
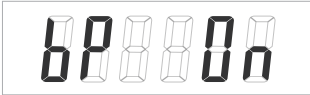
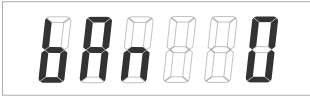
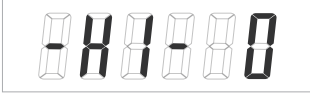
	Turn on / off. The indicator will be turned on when pressing the key. Press and hold the key for 1.5 seconds, the battery charge percentage “bpt - -” will show on the screen, then the indicator will power off.
	The weight on the weighing platform can be cleared as tare, and the instrument will display zero. Weighing in this state will display the net weight, and the tare indicator light will illuminate.
	To re-zero the scale. Range of re-zero is $\pm 2\%$ of full scale.
	Weigh unit switching or selecting the backlight mode while in weighing mode. Press to confirm the setting when it is in set menu or calibration mode.
	For recalling and printing out the accumulative weight. Accumulative time and weight will display on the screen for 1.5 second respectively. Press  to clear accumulative weight and time (Equipped with a dedicated printer). Use the numeric up/down keys when setting functions or calibrating weight.
	For recalling and printing out the accumulative weight. Accumulative time and weight will display on the screen for 1.5 second respectively. Press  to clear accumulative weight and time (Equipped with a dedicated printer). Used as a selection key during function settings or weight calibration.

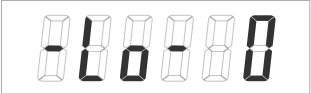
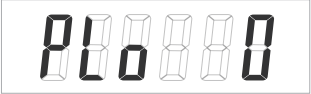
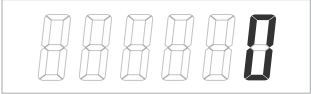
Print format:

Each press of the  button will print the current weight. NO: 1~2 in the printout refers to the print sequence number. Press the  button to print the cumulative weight that has been printed so far (the unit is as displayed at the time).

No.		WET
	1	2.23 kg
	2	1.76 kg
Add	2	3.99 kg

4. GENERAL FUNCTION USAGE SETTINGS

Operation	Display	Explanation
Press 	[0] 	Communication, printing format and percentage set
Long press 	[OFF X] 	X refers to preset shut down time. There are 7 choices for preset shut down time: 10, 20, 30, 50, 60 and 0. Choices 10~60minutes denotes respectively that indicator will power off automatically if there is no changes on weighing value and no operation on keyboard. Choice 0 denote that automatic power function is not available. Press  to select the value.
Press 	[bp On] 	The switch for a buzzer; Press  to select "on" or "off" to turn on/off the buzzer. Non-buzzing mode will help decreasing power consumption. "X" indicates the backlight display mode: "0" is off mode; "1" is manual on mode; "2" is automatic on mode for weighing; "3" is automatic on mode for 10 seconds for weighing.
Press 	[bAn X] 	
Press 	[HIXXXX] 	"HI" indicates the upper limit of the weighing setting. To change the setting, press the  key to select a position, press the  key to cycle through the settings, and press the  key to confirm.

Operation	Display	Explanation
Press 	[LoXXXX] 	"Lo" indicates the setting of the lower limit value for weighing. To change the setting value, press the  key to select the position, press the  key to cycle through the changes, and press the  key to confirm.
Press 	[PLo X] 	Set the minimum battery usage percentage; "X" indicates that the battery capacity is set to X% (X=5,10,15,20,25,30) of the total capacity, and the instrument will automatically shut down when it detects that the battery capacity is X%. Press the  key to cycle through the changes, and press the  key to confirm.
Press 	[0] 	Return to weighing mode.

5. ERROR MESSAGE PROMPT

There will shows error signal when the scale have some problem.

Error 1: means calibration isn't workable, weight is too light or division is too high.

Error 2: means wrong zero, check the load cell if it is damaged.

Error 3: means displayed value exceed display range after unit change.

--- H---: means overload, loaded weight exceed the full range.

6. MAINTENANCE AND PRECAUTIONS

1. This instrument can be used by simply plugging in the matching power adapter. When the instrument is not in use or is under maintenance, the power plug should be unplugged from the power source. (For instruments with matching rechargeable batteries, please charge at least once every 2 months or remove the rechargeable batteries to prevent over-discharge and damage.)

2. To ensure clear digital display and extend the instrument's lifespan, it should not be placed in direct sunlight or in areas with severe vibration.

3. To ensure the accuracy of the instrument, it is strictly forbidden to exceed the maximum rated weighing value during use.

4. For instruments with matching batteries, after continuous use for more than 24 hours, please plug in the power and charge for 10 hours to ensure the battery's lifespan. (Weighing can continue normally while charging.)

5. Do not inject strong solvents or other conductive particles into the instrument to prevent damage to the internal electronic components and electric shock.

6. Precautions for battery use:

(1) The battery can be charged by connecting the instrument to the power adapter. (Note: The battery wires must not be connected incorrectly; the red "+" terminal of the battery is positive, and the black "-" terminal is negative.) Incorrect polarity connection may damage the instrument panel. Before first use, please fully charge the built-in battery.

(2) The charging symbol below the instrument display shows the battery level in real time. The symbol decreases as the battery is used; if the battery level drops to one cell or flashes, it indicates insufficient power and requires immediate charging. During charging, the symbol moves back and forth from low to high; when the battery is full, the symbol remains stationary.

(3) The weighing instrument can still be used for about 10 minutes when the battery is low. If the battery is used to its limit without being charged, the instrument will automatically shut down. If the instrument is forcibly turned on without charging the battery, it will automatically shut down after powering on. (4) When using the instrument for the first time, please charge the battery. It is recommended to charge for at least 12 hours to ensure the battery has sufficient charge to reach a safe and stable operating state for the weighing instrument.

(5) During normal use, it is recommended to charge the battery as soon as the low voltage indicator appears to prevent damage and shorten the battery's lifespan from prolonged operation under low voltage. It is recommended that batteries in use be charged for at least 10 hours each time. For weighing instruments that are not used for extended periods, the battery should be charged every two months to compensate for battery depletion and prevent over-discharge damage. It is recommended that each charging session last at least 12 hours to extend the battery's lifespan.

