



TABLE TOP SCALE WE

User Manual

VALUE EACH GRAM
HiWEIGH

Important Safety Information

READ ALL INSTRUCTIONS BEFORE USING SCALES TO ENSURE MAXIMUM SAFETY, BEST PERFORMANCE, AND TO GAIN KNOWLEDGE OF OUR SCALE, IT IS ESSENTIAL THAT YOU OR ANY OTHER OPERATOR OF THE SCALE READ AND UNDERSTAND THE CONTENTS OF THIS MANUAL BEFORE OPERATING THE DEVICE.

When using an electrical device, basic precautions should always be followed, including the following:

1. Please use only the original power cord or DC adapter supplied with the scale. Other cords or adapters may damage the scale.
2. DC adaptor is used to charge the battery, and scale can operate without DC adaptor.
3. Avoid using long power extension cords – this may cause interference
4. Do not use on surfaces or in areas where vibration, air movement or temperature change. Do not place in direct sunlight or near air conditioning vents.
5. Avoid high humidity (greater than 80%) that might cause condensation, and keep away from direct contact with water and other corrosive chemicals.
6. Static may influence the weighing result. To reduce the static, wipe the pan and scale with anti-static wipes.
7. Don't impact or drop heavy objects on the scale – this may affect accuracy, or cause damage. Do not stack material on the scale when it is not in use.
8. Battery should be removed if the scale is not used for a long period of time. Battery should be recharged every 3 months.
9. Place items to be weighed as close to center of the pan as possible
10. Only use fingers to operate the keypad. Do not press with hard or sharp objects.

Warranty

We offers one-year limited warranty (parts and labor) for the components failed due to defects in materials or workmanship. Warranty starts from the date of delivery.

During the warranty period, should any repairs be necessary, the purchaser must inform its supplier or Moorange Electronics. The company or its authorized technician reserves the right to repair or replace the components at any of its workshops depending on the severity of the problems. However, any freight involved in sending the faulty units or parts to the service center should be borne by the purchaser.

The warranty will cease to operate if the equipment is not returned in the original packaging and with correct documentation for a claim to be processed. All claims are at the sole discretion of Moorange Electronics.

This warranty does not cover equipment where defects or poor performance is due to misuse, accidental damage, exposure to radioactive or corrosive materials, negligence, faulty installation, unauthorized modifications or attempted repair or failure to observe the requirements and recommendations as given in this User Manual. Additionally, rechargeable batteries (where supplied) are not covered under warranty.

Repairs carried out under the warranty does not extend the warranty period. Components removed during the warranty repairs become the company property.

What is inside Box

AC/DC adaptor (input: 120 VAC, output: 10 VDC, Class 2 power unit)

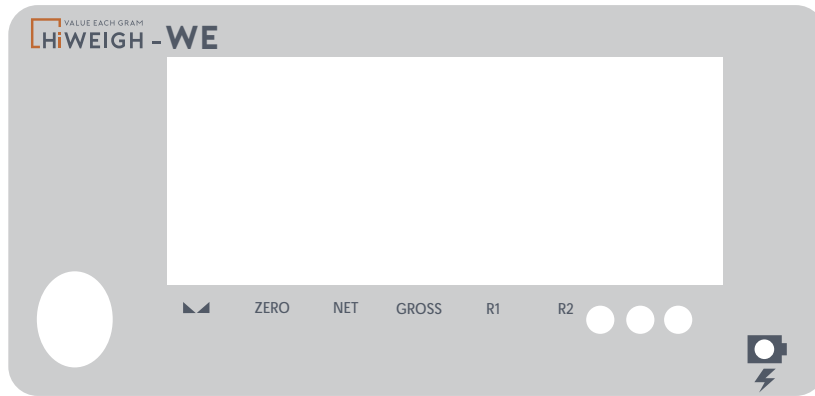
WE scale, with adhesive film covered platter. Two parts are separated to protect the load cell during transportation.

Two wire seals. The wire seal is used usually by the inspector of Department of Weights and Measures or authorized dealers. The wire seal is threaded through a metal rode that protrudes through the bottom of the device and through a hole in the scale base adjacent to the metal rode.

Set up the Scale

Place the scale on a stable, level surface out of the way of air currents. The scale must be level during use. Adjust the feet and use the integrated bubble at the front of the scale to achieve level. Be sure that scale does not rock back and forth. Ensure no weight is on the pan when turning on the scale. Scale is operated using the rechargeable battery. AC adaptor is used to charge the battery, and scale can operate without DC adaptor. Note the maximum capacity of the scale.

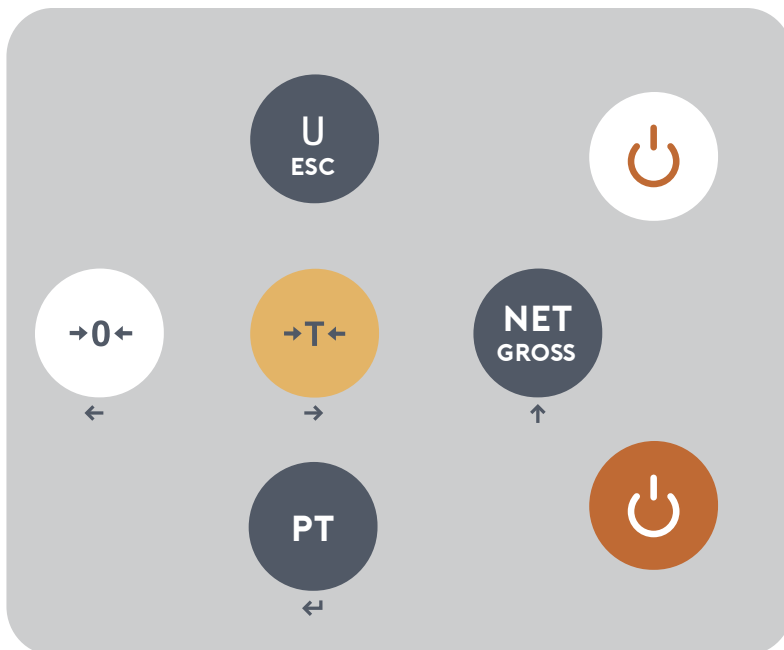
LCD Display



Size: 77 mm x 27 mm X 2.8 mm

Font height: 16 mm

Control Panel



KEY DESCRIPTION for MODEL WE



Press and hold this key for 2 seconds to turn off the scale.



Press this key briefly to turn on the scale. A self-test will run on the display and then stabilize showing zero



Select the desired weight unit
Escape (exit) setting in setup mode.



Reset the weight to zero, but the display value has to be lesser than $\pm 2\%$ of maximum capacity.

Move one space to the left or downward in setup mode



Tare: Subtract the container's weight. Maximum tare = full capacity

Preset Tare: Press Tare key with no object on the pan. Use 0 ~ 9 number keys to enter the preset tare weight value. Press the tare key to confirm.

Clear Preset Tare: Press the Tare key again to clear the preset tare with no object on the pan.

Move one space to the right or upward in setup mode



To see gross and net weight when the scale is on tare status. All other keys will be disabled when gross weight is activated

To increase value upward in setup mode.



Manually transmitting data through RS232 to computer or printer at normal weighing mode (RS232 setup must be set at keyboard transmission 232 3 or 232 6)

Work as enter key in setup mode

User Functions (UF1 -- UF9)

At weighing mode, press and hold the **【☉】** key, then press the **【→T←】** key, weight window will show UF-1, press **【→T←】** key to cycle select UF-1~UF-9

Table: List of User Functions

Display	Function	Description
UF-1	Internal value/ display battery voltage/internal value(zero)	Press 【☉】 key to enter, display internal value, then press 【☉】 key, display battery, press 【U / ESC】 to return
UF-2	Checking Weight	<p>Press 【☉】 key to enter, display 00000L set low weight, display 00000H, set high weight. press 【→T←】 or 【→0←】 to move cursor, press 【NET / GROSS】 key to select number, press 【☉】 key to confirm.</p> <p>Buzzer beeps and show o 000 A B C</p> <p>A- Buzzer on: 0=Stable not required; 1=Stable required B- LCD indicator and Relay on: 0=stable not required, 1=stable required C- Buzzer beeps when 0=Buzzer off, 1=OK, 2=LO and HI</p>
UF-3	Auto power-off	<p>Press 【☉】 key to enter. Aoff00</p> <p>Press 【→T←】 or 【→0←】 to move cursor, Press 【NET /GROSS】 key to select number, Press the 【☉】 key to confirm, and press 【U】 key to exit.</p>
UF-4	Backlight	<p>Press 【☉】 key to enter. press 【NET / GROSS】 to cycle select –</p> <p>Lit A : auto light up; Lit on : backlight on; Lit off : backlight off.</p> <p>Press 【☉】 key to confirm, and press 【U】 key to exit.</p>
UF-5	Hold Setup	press 【☉】 to enter, 【NET / GROSS】 to



		select, hold 0:hold function off, hold 1: Animal (motion) Hold function, please see remark (二) hold 2: Peak value hold, press any key to cancel (except the print key) hold 3: Stable hold, press any key to cancel (except the print key) hold 4: Stable hold, auto cancel at zero
UF-6	RS-232 output	Press 【⊙】 key to enter. 【NET / GROSS】 to select RS232 output formats. 2 3 2 0 (factory default) 2 3 2 1 Stable output 2 3 2 2 Stream output 2 3 2 3 Press 【⊙】 to output 2 3 2 4 Stable output 2 3 2 5 Stream output 2 3 2 6 Press 【⊙】 to output
UF-7	A/D update rate	Press 【M+】 speed: S P E E D 0 : low speed (factory default) S P E E D 1 : standard speed S P E E D 2 : High speed Press 【⊙】 key to confirm, and press 【C】 key to exit.
UF-8	Display condition at zero	Use 0~5 keys to enter condition at zero, Press the 【M+】 key to confirm : Z P 1 : 1 division not to display at zero (factory default) Z P 2 : 2 division not to display at zero Z P 3 : 3 division not to display at zero Z P 4 : 4 division not to display at zero Z P 5 : 5 division not to display at zero Press 【M+】 key to confirm, press 【C】 key to exit.
UF-9	G value setup	press 【⊙】 key to confirm, display factory default (manufactory) , if set the G value of user, press 【⊙】 key to confirm, then 【→0←】 or 【→T←】 key to move cursor, press 【NET / GROSS】 key to input number

Standard Calibrations

For NTEP certified scale, these functions are not available. At weighing mode, press and hold the **【→0←】** key, then press the **【⊙】** key. LCD display ECF-1. Press **【→0←】** key or **【→T←】** key to select ECF-1~ECF-3

ECF-1	Weight calibration	Press the 【⊙】 key to enter, display CALZ, do not place any object to plate, press 【⊙】 key to confirm, press 【→0←】 and 【→T←】 to move the cursor, press 【NET / GROSS】 to enter the weight be calibrated, Place the required weight mass onto the scale as indicated on display, press 【⊙】 to return back to weighing mode
ECF-2	Zero calibration	Press 【⊙】 key to enter, display CALZ, do not place any object to plate, press 【⊙】 key to confirm, press 【⊙】 to return to weighing mode
ECF-3	SPAN calibration	Press 【⊙】 to enter, press 【→0←】 and 【→T←】 to move the cursor, press 【NET / GROSS】 to enter the weight be calibrated, Place the required weight mass onto the scale as indicated on display, press 【⊙】 to return to weighing mode

Error Messages and Troubleshooting

Error Display	Meaning	Troubleshooting
h h h h h h	Overload	Weight on pan exceeds maximum capacity
L L L L L L	Weight is too low	Weight is too low at the negative
E r r n	Weight unstable	Vibration or varying load on the pan during switch-on
E r r H	Initial zero too high	Scale turned on with weight > 10% of maximum capacity already on the pan
E r r L	Initial zero too low	Scale turned on with upward force > 10% of maximum capacity acting on the pan
 Battery symbol visible	Battery voltage is lower than 5.6 V	Battery needs charging. Connect to main adaptor. Press 【→T←】 and 【6】 together to view battery voltage. Press 【C】 to return to weighing mode
 Battery symbol flashing	Battery voltage is lower than 5.5 V	Battery needs charging. Connect to main adaptor
Scale automatically shuts off	Battery voltage is lower than 5.4 V	Battery needs charging. Connect main adaptor

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