User Manual

EQC Series

Digital Counting Scale

Cautions

- Upon receiving the scale, please take at least 8 hours to recharge the battery before you start to operate this scale.

- Please recharge the battery after a long period of storage (more than one month). It takes 8~10 hours to fully recharge the battery.

- Please assemble the platter before powering on the scale.

- Do not keep the weight placed on the platter for a long period.

- Keep the scale away from the environment with high temperature、high humidity、heavy press、heavy bump.

- Always make sure the scale is located in a flat and plane surface.

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Dimensions

EQC:

260mm 305mm 105mm 370mm 320mm
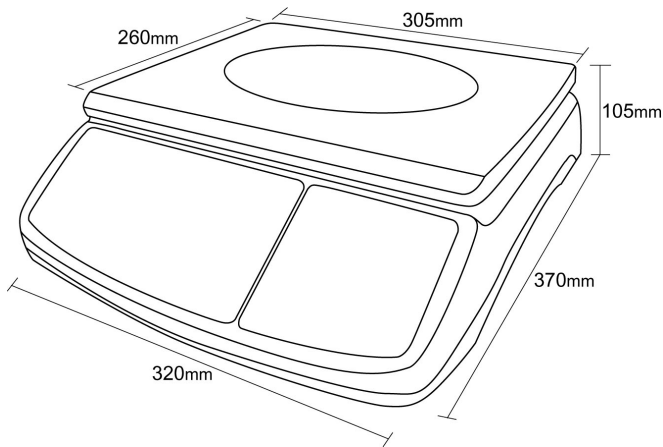
Symbols on LCD

■ Zero Indication (▾):

▾ Cursor appears on the bottom edge of WEIGHT LCD (above of **ZERO** printed on the display-overlay), and indicates the scale is at zero-point.

■ NET Weight Indication (▾):

▾ Cursor appears on the bottom edge of WEIGHT LCD (above of **NET** printed on the display-overlay), and indicates the tare weight has been deducted.

■ Indication of kg 、 g Weighing Mode (▾):

▾ Cursor flashes on the bottom edge of WEIGHT LCD (above of **kg** or **g** printed on the display-overlay), and indicates the present weighing mode.

■ Insufficient Sampling-Quantity Indication (▾):

▾ Cursor appears on the bottom edge of UNIT WEIGHT LCD (above of **S.Q** printed on the display-overlay), and indicates the sampling-quantity (setup via [*SAMPLE*] key) is less than 10 pieces. The greater the sampling-quantity on the platter, the more precise the unit weight calculation.

■ Insufficient Unit Weight Indication (▼) :

▼ Cursor appears on the bottom edge of UNIT WEIGHT LCD (above of **S.W** printed on the display-overlay), and indicates the averaging unit weight is too light.

The internal resolution of this scale is 60000. If the averaging weight per unit is less than "***max capacity / 60000***", ▼ cursor will flash on UNIT WEIGHT LCD. For example:

With 30kg max capacity and an internal resolution of 60000, 30kg / 60000 = 0.5g. If the average unit weight of measured subjects is lighter than 0.5g, ▼ cursor will flash on UNIT WEIGHT LCD (above of **S.W** printed on the display-overlay).

■ Indication of Weighing Range (▼) :

▼ Cursor appears on the bottom edge of UNIT PRICE LCD (above of **W1** or **W2** printed on the display-overlay), and indicates the present weighing range to be ***Weighing Range 1 (W1)*** or ***Weighing Range 2 (W2)***.

!! Notice: The indication of weighing range is only available for scales with multiple range (2 ranges).

■ **Battery Symbol** ([+ -]) :

When WEIGHT LCD indicates [+ -] and the scale sounds *beep for four times*, it means the battery is running in low-voltage status. WEIGHT LCD will indicate [+ -] continuously for reminding the user to recharge the battery. If the battery is still running in low-voltage status without being recharged, WEIGHT LCD will indicate *-OFF-* and the scale will sound *beep for eight time*. Please power off the scale and recharge the battery right away.

OPERATION INSTRUCTIONS

■ 0 ~ 9:

(1) Press these keys to key in the unit price.
(2) Press and hold [*0*] key till WEIGHT LCD display shows the voltage of battery. *6.1 ~ 6.5* means the battery is running in hi-voltage status. Less than *5.5* means the battery is running in low-voltage status. Please recharge the battery as soon as possible. Pressing [*C*] key could go back to normal operating-mode.

■ ●:

(1) Press this key to set the decimal point for the unit weight.
(2) Press and hold [●] key till the scale sounds beep to enable or disable optional Backlight.

■ C:

Press this key to delete the setting values of unit weight.

■ ZERO:

Press this key to make the scale be at zero-point. WEIGHT LCD will indicate ▼ cursor on the above of **ZERO** (printed on the display-overlay).

■ TARE：

Press this key could get the net weight. Place a package or container on the platter and press this key to deduct the tare weight, WEIGHT LCD will show *0.000* and indicate ▼ cursors on the above of ZERO and NET (printed on the display-overlay)*.*

■ SAMPLE：

Press this key to confirm the sampling quantity.

Example:

Put 500pcs of screws on the platter; then key in 500; then press [*SAMPLE*] key once, the scale will calculate the averaging unit weight of 500 screws and show the value on UNIT WEIGHT LCD.

While putting another more pieces (less than 500pcs) of screws on the platter, the scale will re-calculate the averaging unit weight (UNIT WEIGHT LCD will clear the original value and then show the updated value). Please do NOT remove any thing from the platter till the updated value of averaging unit weight has been displayed.

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■ WS:

Press this key is to set the value of unit weight. We suggest the unit weight should be heavier than the division (or sensitivity) of the scale. For a counting scale 6/15kg x 2/5g, the unit weight should not be lighter than 2g.

Example:

With the known unit weight at 10g, please key in **10**; then press [**WS**] once; then 10g will be indicated on UNIT WEIGHT LCD.

■ ALARM:

1. Quantity Alarm:

<1> Press [**ALARM**] key to select **-PCS-** (showed on UNIT WEIGHT LCD.

<2> Key in **100** (showed on WEIGHT LCD; then press [**ALARM**] key again to confirm the setting.
!! Notice: The setting values under **-Hi-** mode and **-Lo-** mode must be **0**.
When the total quantity of measured subjects is≧ **100,** the scale will sound **beep** continuously.

2. Hi/Lo Weight Limit:

Example: setup Hi/Lo weight range at 10kg ± 500g.

<1> Press [*ALARM*] key to select *-Lo-* (showed on UNIT WEIGHT LCD); then key in *9.500* (showed on WEIGHT LCD; then press [*ALARM*] key again to confirm the setting.

<2> Press [*ALARM*] key to select *-HI-* (showed on UNIT WEIGHT LCD); then key in *10.500* (showed on WEIGHT LCD; then press [*ALARM*] key again to confirm the setting.

‼ Notice: The setting value under *PCS* mode must be *0*.

The scale will sound *beep* continuously while:
9.500 ≦ the total-weight value ≦ *10.500*

3. Over-Weight Alarm:

Example: setup 10kg as the over-weight limit.

Press [*ALARM*] key to select *-Lo-* (showed on UNIT WEIGHT LCD); then key in *10.000* (showed on WEIGHT LCD; then press [*ALARM*] key again to confirm the setting.

‼ Notice: The setting values under *PCS* mode and *-HI-* mode must be *0*.

The scale will sound *beep* continuously when the measured weight is ≧ *10.000kg*.

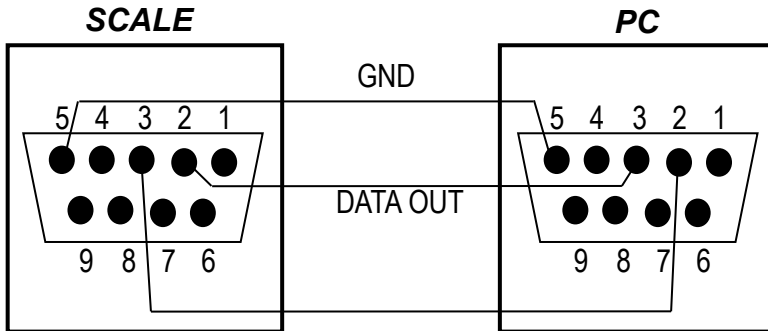# ■ M1 ~ M8 :

8 direct PLU for saving the unit prices.
Example:
Save *7.50* into *M3* memory bank
Key in [*7*] [*5*] [*0*] >> Press and hold [*M3*] key till the
scale sounds *beep* >> Finish setting.
At this moment, pressing [*M3*] key could recall $7.50
showed on UNIT PRICE LCD. To modify the setting
figure of *M3*, please just follow the above steps again.

RS232 Interface Connection: <optional device>

For EQP / EQPL models

RS232 Wiring Configuration:

Baud Rate: **9600**

Parity: **None**

Stop Bit: **1**

Data Bit: **8**

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Recharge the Battery

Power off the scale and connect the power cord to an AC outlet. *CHARGE LED* will indicate the ongoing status of the battery. It takes about *8~10 hours* to fully recharge the battery.

CHARGE LED:

Color of LED	Status of the battery
RED	Initial Connection
ORANGE	Charging
GREEN	Fully-charged

Power Requirements

● AC: 220V±10%, 50Hz

● DC: 6V/4Ah rechargeable battery;
     P=0.2W(max)

We do more than you expect