

# User Manual

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**AEW** Series

*Digital Weighing Scale*

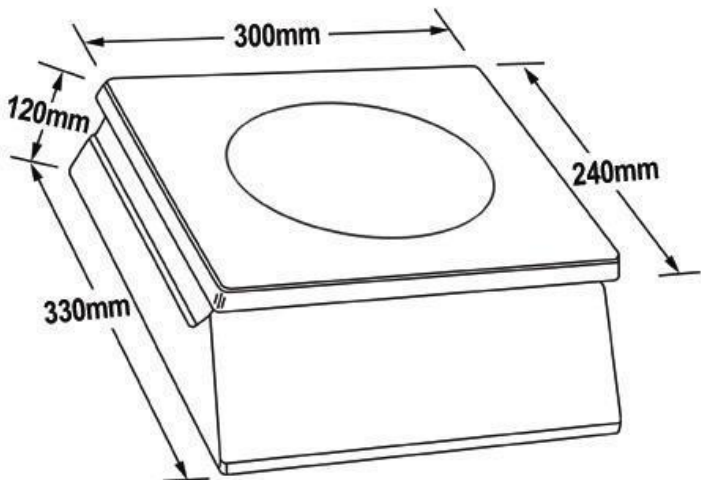
## Cautions

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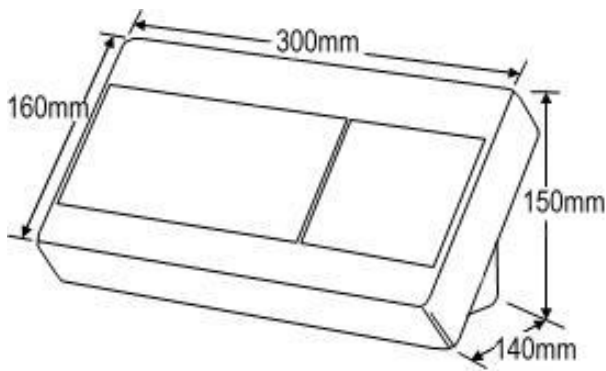
- Upon receiving the scale, please take at least 8 hours to recharge the battery before you start to operate this scale.
- Please recharge the battery after a long period of storage (more than one month). It takes 8~10 hours to recharge the battery fully.
- Please assemble the platter before powering on the scale, especially for the scale with 1.2kg / 3kg / 6kg max capacity.
- 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, and heavy bump.
- Always make sure the scale is located in a flat and plane surface.

# Dimensions ---

## AEW Table Scale



## AEW-IN Indicator



## Symbols on LCD

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### ■ Zero Symbol (O) :

**O** appears on the left-bottom corner of LCD, and indicates the scale is at zero-point.

### ■ NET Weight Symbol (*Net*) :

**Net** appears on the bottom edge of LCD, and indicates the tare weight has been deducted.

### ■ Indication of Weighing Mode (*kg / pcs*) :


**kg** or **pcs** flashes on the bottom edge of WEIGHT LCD, and indicates the present weighing mode.

### ■ Indication of Weighing Range (▼) :

▼ cursor appears on the bottom edge of 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 the scale / indicator with multi-range (2 ranges).

### ■ Battery Symbol ( ) :



 appears on the bottom edge of LCD, and indicates the battery is running in low-voltage status. This is for reminding the user to recharge the battery.

## Operation Instructions ---

### ■ Backlight (optional) :

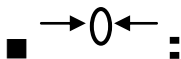
Press and hold    key till the scale sounds **beep** to enable / disable the Backlight.

### ■ Status of the Battery :

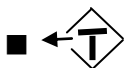
When LCD indicates  and the scale sounds **beep beep** every thirty-minute, it means the battery is running in low-voltage status. LCD will indicate  continuously for reminding the user to recharge the battery. If the battery is still running in low-voltage status without being recharged, LCD will indicate **-OFF-** and the scale will sound **beep** repeatedly. Please power of the scale and recharge the battery immediately.


## ■ UNIT:

Select the weight mode: **kg** / **pcs**.



Press this key to make the scale be at zero point.  
LCD will indicate **0** on the left-bottom corner.




■  : Press this key to deduct the tare weight.  
Put the package or container on the platter and then  
press **TARE** key. LCD will show **0** and **Net**.

## ■ PRINT(optional):

1. Press this key to send out weighing data to printer when equip with RS232 Interface.
2. If scales not equipped with Printer Device, then scales will not have any response when pressing this key.

## Under kg weighing mode




Put the container or package on the platter then  
press  key. LCD will indicate **0.000** and **NET**.  
Then put the measured subject into the container or  
package. LCD indicates the **Net Weight Value**.


## Under *pcs counting* mode


**!!** The suggested unit weight of the measured subject should be heavier than ***the division of this scale.***

1. Put 100 pieces of the measured subject (with the same unit weight) on the platter.
2. Press and hold **UNIT** key till LCD shows **S= 10**, and then quickly (within 3 seconds) press **UNIT** key again to select **S=100** (10 ÷ 20 ÷ 50 ÷ 100 could be selected for the sample-quantity of the measured subject).
3. Wait till LCD shows **100**. The scale has finish calculating the averaging unit weight of the measured subject. Now the simple counting function is ready. This scale could be used as a simple counting scale.

## Setting of HI/Lo Weight

1. Press and hold  key until LCD shows **-Lo-**.
2. Press  key again to enter the setting mode, LCD will show **XXXX.XX**.
3. Press  key to shift the digit and **UNIT** key to modify the digit to **0000.50**(ex: 500g) and then press **→0←** key to confirm. LCD will show **-HI-**

4. Press  key to enter the setting mode, LCD will show **XXXX.XX**.

5. Press  key to shift the digit and **UNIT** key to modify the digit to **0000.60** (ex: 600g) and then press **→0←** key to confirm. LCD will show **0.00**.

## 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 Supply

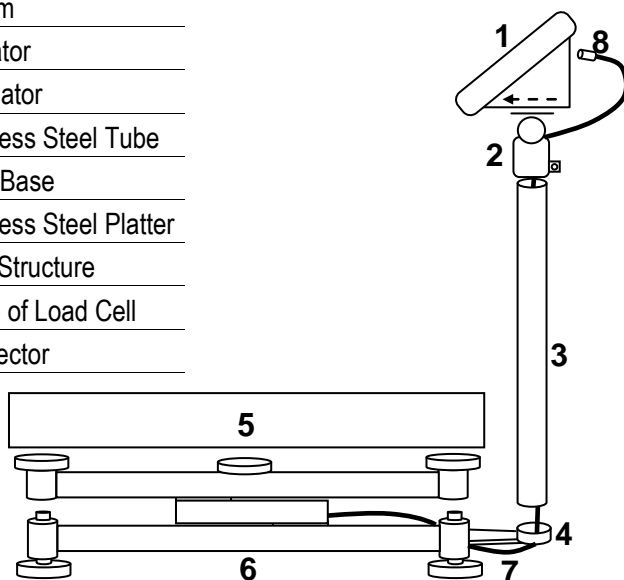
- AC: 220V/50Hz  $\pm 10\%$
- DC: 6V DC/25mA Rechargeable Battery;  
P=0.2W(max)



## Installation Diagram of AEW series Bench Scale

List of Components:

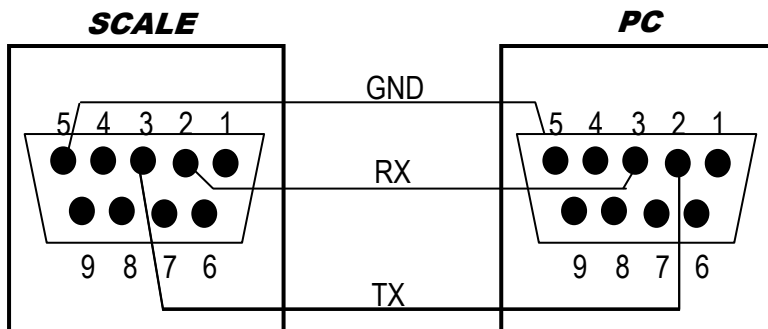
No.	Item
<1>	Indicator
<2>	Regulator
<3>	Stainless Steel Tube
<4>	Tube Base
<5>	Stainless Steel Platter
<6>	Main Structure
<7>	Cable of Load Cell
<8>	Connector



### **Installation Procedure:**

- Screw <4> Tube Base and <6> Main Structure together (*with 2 screws of Tube Base*).
- Insert <3> Stainless Steel Tube into <4> Tube Base (*with 2 screws of Stainless Steel Tube*).
- Screw <2>Regulator and <3> Stainless Steel Tube together (*with 1 screw and 1 clip of Regulator*).
- Please refer to the Diagram; pull <7> Cable of Load Cell, from the bottom to the top, through <3> Stainless Steel Tube; and then screw the Clip on the bottom of <4> Tube Base (*with 1 screw of Clip*).
- Connect <1> Indicator with <2> Regulator. Notice the direction. Please refer to the arrow on the diagram for proper direction.
- Put <5> Platter on <6> Main Structure.
- Insert <8>Connector into the socket of <1>Indicator. Installation OK.

## RS232 Interface Connection (optional device)



### RS232 Wiring Configuration:

Baud Rate: **9600**

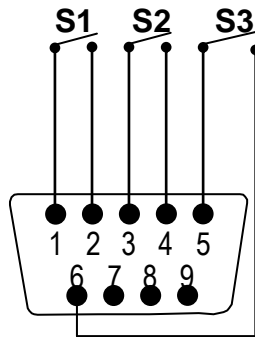
Parity: **None**

Stop Bit: **1**

Data Bit: **8**

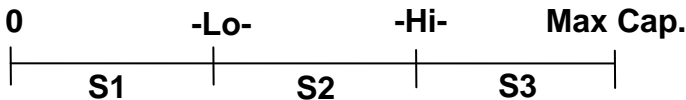
## Relay Output-Interface (optional device)

### <D1> Connector of Relay Output Interface:



- S1, S2, and S3 can be thought as three switch-circuits. If there is no signal from the scale / indicator, each switch-circuit will be **OPEN**.

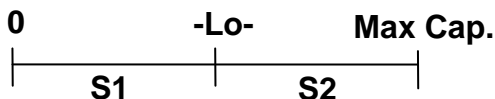
### <D2> Hi / Low Setting:



- $0 \leq \text{measured weight} < -\text{Lo-}$  :  
Indicator will send a signal to **S1**, and then **S1** will turn to **ON**.
- $-\text{Lo-} \leq \text{measured weight} < -\text{Hi-}$  :  
Indicator will send a signal to **S2**, and then **S2** will turn to **ON**.
- $-\text{Hi-} \leq \text{measured weight} < \text{Max Cap.}$  :  
Indicator will send a signal to **S3**, and then **S3** will turn to **ON**.

(Please refer to page 6 for Hi / Low settings)

### <D3> Over-Weight Setting:



- $0 \leq \text{measured weight} < -\text{Lo-}$  :

Indicator will send a signal to **S1**, and then **S1** will turn to **ON**.

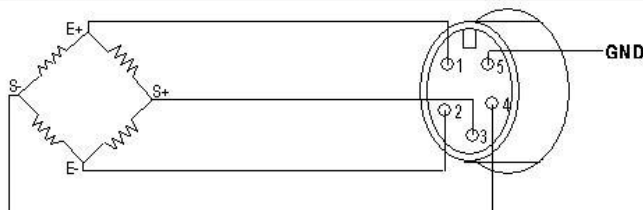
- $-\text{Lo-} \leq \text{measured weight} < \text{Max Cap.}$  :

Indicator will send a signal to **S2**, and then **S2** will turn to **ON**.

## 5 Pin Loadcell Connection:

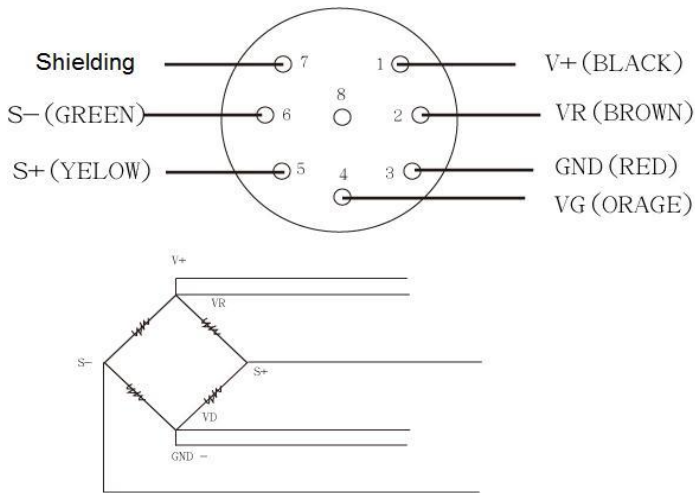
### ■ Load Cell Connections:

meaning	E+(V+)	E-(GND)	S+	S-	Null
Pin Num.	Pin 1	Pin 2	Pin 3	Pin 4	Pin 5
General pin color from Loadcell	Red	Black	Green	White	yellow



# 8 Pin Loadcell connection:

8 PIN Loadcell Connections:



***We do more than you expect***

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