

# METROLOGY®

**No.1 scales in USA**

*METROLOGY*

*MT 1000*

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*Your Truly Weighing Partner*



*Operation      Manual*

*MT 1000*

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## 1.0 PRECAUTION BEFORE USING THE SCALE

### 1.1 Environment

The scale should always be used in an environment, which is free from excessive air currents, corrosives, vibration, and temperature or humidity extremes. These factors will affect weight reading.

DO NOT install the scale:

- Next to open windows or doors causing drafts or rapid temperature changes.
- Near air conditioning or heating vents.
- Near vibrating, rotating or reciprocating equipment.
- Near magnetic fields or equipment that generates magnetic fields.
- On an unstable work surface
- In a dusty environment
- In direct sunlight.

### 1.2 Leveling the Scale

The scale is equipped with a level indicator on the left bottom side of the front panel and four adjustable leveling feet. Adjust the leveling feet until the bubble appears in the center circle of the indicator.

### 1.3 Turn on Scale

Do not turn on scale with anything on the platform. The switch is located

On the left side of the scale. The scale will start to count down from nine to zero and will display the max capacity of the scale in the display. The scale is then ready for use. Give a warm-up for 15-30 minutes before use.

## 2.0 Keyboard functions.

**Tare**

Tare the weight of a container. Indicate that the current weight reading is net weight.

**Zero/B.L**

If there is a minor weight displayed without anything on the pan, press this key, the weight will become "0". and Select backlight key.

**Unit/Enter**

Select unit key, and also Enter key.

### 3.0 Operation.

#### 3.1 Tare function.

Tare weight is the weight of a container and can be subtracted by placing an empty container on the scale pan. when the display is stable, press the **Tare** Key and the display will become zero and the display will have a tare indication.

Cancel the tare function by pressing the **Tare** key with no weight on the scale pan. Tare range is the full capacity of the scale.

#### 3.2 Zero function.

If the zero shifts during operation, press the **Zero/B.L** key to set it to zero. The zero function is only active over a  $\pm 2\%$  Range.

#### 3.3 Unit selection.

Press the **Unit/Enter** key to choose the weighing units and the display will be changed to the new value with units shown. There are two units of weight (kg/g and lb) that can be enabled.

### 4.0 Backlight function.

a. Press the **Zero/B.L** key, the display will show "bl.1" which means "Auto backlight" mode. when the weight is over 10 scale divisions or any of the keys are pressed, the backlight will be effective. when the weight is zero for about 8 seconds, the backlight will go off automatically.

b. Press the **Zero/B.L** key again, the display will show "bl.2" which means the backlight will always be on.

c. Press the **Zero/B.L** key once, the display will show "bl.3" which means the backlight will be turned off.

### 5.0 Simple Auto Calibration.

5.1 Switch on the scale, during the self-checking press **Tare** , **Zero/B.L** **Unit/Enter**

the scale will display “CAL” about two seconds after will display 00000.

5.2 Press **Unit/Enter** key, on the windows will display -----

5.3 Press **Unit/Enter** key again, on the windows will display weight in order.

- Put on the 1g Max of full capacity weight, press **Unit/Enter** key affirm it.
- Put on the 2g Max of full capacity weight, press **Unit/Enter** key affirm it.
- Put on the 3g Max of full capacity weight, press **Unit/Enter** key affirm it.
- Switch off and take off all the weight, then switch on, the scale can be used it.

#### Charge Messages.

- Voltage display function: Switch on the scale when the scale self-checking after, windows will display Voltage about two seconds, example DC6.2, that mean Voltage for 6.2v.
- Charge indication function: During used scale, if the scale check the voltage value lower than 5.6V, that scale will remind you voltage value interval 30seconds at once, and also on the scale will have “di ...di..” sound, that remind to you must charge it for scale.

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