



**LM SERIES**

**BENCH/FLOOR SCALE**

**OPERATION MANUAL**

PLEASE READ THIS INSTRUCTION MANUAL VERY CAREFULLY BEFORE ATTEMPTING  
TO OPERATE THIS SCALE

AUGUST 2003 REV 1

*Specifications subject to change without prior notice*

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## **1. INSTALLATION**

**1.1 CHECK** and make sure that the following accessories are included inside the package.

This Operation Manual, Indicator x 1, Platform + stainless steel cover x 1,

Mains adapter x 1, Pillar x 1 and Screws & tool set x 1.

Contact your dealer if any items are missing.

### **1.2 FIXING THE PILLAR**

**1.2.1** Thread the cable from platform through the pillar very carefully.

**1.2.2** Insert the pillar to the pillar support attached to the platform in a upright position, then locked it by the Allen head screw provided.

**1.2.3** Connect the cable plug to the indicator receiving plug.

**1.2.3.1** After plugs are connected, lock the plugs by turning the plug screw in clockwise direction.

### **1.2.4 FIXING THE INDICATOR**

**FOR FM & LM MODELS:** Lock the indicator to the pillar by 2 screws provided.

### **1.3 Power on the Scale**

**1.3.1 Check** the input voltage of the main adapter/scale matches with the voltage of electricity outlet. Contact your local dealer if not.

**1.3.2** Before first time operation, plug the main adapter/mains plug to the wall outlet and charge the scale for at least 8 hours.

**1.4 Retain the package for future transportation of scale.**

## 2. SPECIFICATIONS

### GENERAL SPECIFICATIONS

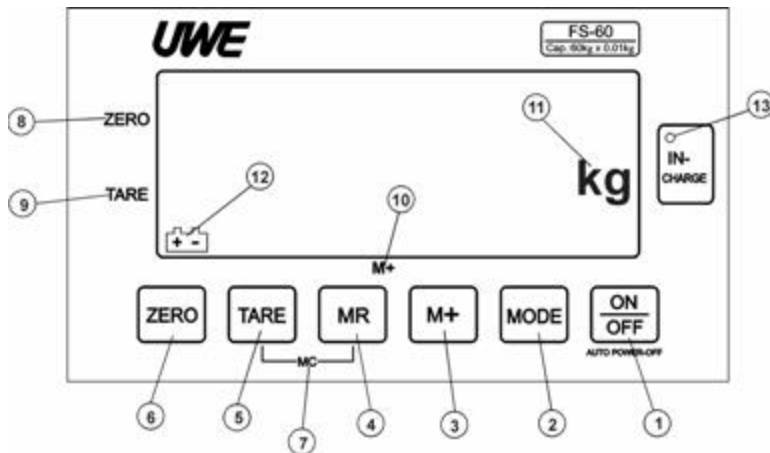
Model No.	Capacity	Division
LM-300	660 lb	0.1 lb
LM-600	1320 lb	0.2 lb
Platform size	19.7 x 23.6"	
Power source	Built-in rechargeable battery or power adaptor	
Max. Tare range	Up to 100% of rated capacity	
Max. Zero range	Up to 2% rated capacity	
Weight Units (Note A)	Metric, decimal pound and pound/ounce	
Operation Environment	0°~40°C (32°~104°F), Non-condensed. R.H.? 85%	

*Specifications subject to change without notice.*

#### **NOTE A:**

To comply with the law of certain countries, the avoirdupois weight units may be disabled. Contact your dealer for more information.

### 3. KEYBOARD LAYOUT AND DESCRIPTION



#### ON/OFF KEY

Press this key to turn scale on or off.

#### 2. MODE KEY

Press this key to switch between metric and avoirdupois weight units with or without backlight (optional).

#### M+ KEY

Press this key to enter present weight value into memory.

#### 4. MR KEY

Press this key to recall the accumulated weight value in memory.

#### 5. TARE KEY

Press this key to tare off the weight of a container and get the net weighing result.

#### 6. ZERO KEY

Press this key to reset weight displayed to zero when unloaded.

#### 7. MC KEY

Press the **MR** and **TARE** key simultaneously to clear all data in memory.

#### 8. ZERO INDICATOR

An arrow will appear and point at this sign to indicate a zero weight status.

## **9. TARE INDICATOR**

An arrow will appear and point at this sign when the tare function is being employed.

## **10. M+ INDICATOR**

An arrow will appear and point at this sign when the memory contains data.

## **11. WEIGHT UNIT INDICATOR**

"kg" indicates the metric unit is being employed.

"lb" indicates the avoirdupois unit is being employed.

## **12. LO-BAT INDICATOR**

When this indicator appears, recharge the scale immediately. Failure to do so may cause unrecoverable damages to the rechargeable battery inside.

## **13. IN-CHARGE INDICATOR**

Red color: Recharging battery

Green color: Charging completed

## **4. INSTRUCTIONS FOR USE**

### **4.1 PLACING SCALE**

Use this unit on a hard and strong surface, where is free from RF interference, vibration, fire, direct sunlight and excessive moisture. For accurate weighing, always place this unit on a level surface, if necessary, adjust the adjustable feet underneath the platform to obtain a level condition.

### **4.2 POWER THE SCALE**

Press **ON/OFF** to turn scale on.

### **4.3 INTERNAL SETTINGS**

Before weighing, make sure the zero sign is on and stable.

#### **4.3.1 Select Weight Unit**

This unit is equipped with 3 weight unit modes, i.e. kg, lb and lb/oz.

Default weight unit = kg (without pound units)

Follow the below step to employ (disable) the pound weight unit.

a. turn scale off

- b. press and hold **TARE**, then press ON/OFF. Scale displays "F.1"
- c. press **TARE** twice. Scale displays "F.3"
- d. press and hold **MODE**
- e. press **MODE** until the "lb" signs appear (or select "kg" to disable the pound unit)
- f. press **ZERO** to confirm and return to normal operation status. (If the pound weight is selected) Press **MODE** to shift among, lb and lb/oz during operation.

#### **4.4 TO TARE OFF THE WEIGHT OF A CONTAINER**

**4.4.1** Place a container onto the platform, then press **TARE** to tare off the weight of this container. After **TARE** is pressed, the tare sign appears.

#### **4.4.2 To Clear Container Weight from Memory**

To clear the weight of the container, remove the container and all loads from the platform and press **TARE**, then tare sign would disappear.

#### **4.5 Zero the Weight Displayed When Unloaded**

If zero sign does not appear when unloaded, press **ZERO** to reset weight to zero.

#### **4.6 PLACING A LOAD**

Always place a load onto the platform gently. Sudden shock/excessive force may cause damage to the weight sensor inside. It is a good practice to remove all loads from platform immediately after weighed. This would prolong the life time of the weight sensor.

#### **4.7 SELECT BACKLIGHT (option) STATUS**

To enable/disable backlight function, press **MODE** until the desired status is attained. Backlight would automatically go off 3 second after zero weight is detected and automatically turned on immediately after a load is detected.

#### **4.8 WEIGHT MEMORY FUNCTION**

##### **4.8.1 Save a Weight to Memory and Auto Weight Accumulation**

When weight display is stable, press **M+** to save. Scale Displays "P.1" and the **M+** arrow appears indicating total number of total entries and the memory function is being employed.

#### 4.8.2 Recall Weight Accumulated

Press **MR**, scale displays total number of entries and total accumulated weight of these translations. Scale return to normal operation status 2 seconds after accumulated weight displayed.

#### 4.8.3 Memory Clear

Press and hold **MR**, then press **TARE** after accumulated weight display. Scale displays "P.0" and all data is cleared.

#### 4.8.4 CAUTIONS

**ALL data stored will be erased if:**

the scale is turned off  
weight unit is changed

#### 4.9 SELECT AUTO POWER OFF STATUS

This unit is equipped with AUTO POWER OFF function.

Default setting = auto off after 4 minutes unused.

Follow the below steps to disable/employ the AUTO POWER OFF function.

- a. turn scale off
- b. press and hold **TARE**, then press **ON/OFF**. Scale displays "F.1"
- c. press **TARE** for three times. Scale displays "F.4"
- d. press **MODE** to select:  
to disable the auto power off function select "0-OFF"  
to employ the auto power off unction select "4-OFF"
- e. press **ZERO** to confirm and return to normal operation status.

### 5.TROUBLE SHOOTING

#### SYNDROME SCALE CANNOT BE TURNED ON

**CHECK** Is the rechargeable battery charged?

**ACTION** Recharge the battery for at least 8 hours or plug in the mains adapter/input.

**CHECK** Is the main adapter/AC input inserted properly both to the wall outlet?

**CHECK** Is the output plug of the main adapter inserted properly into the DC inlet of the scale?

**ACTION** Secure both ends of the main adapter to the wall outlet and DC inlet of scale.



**SYNDROME SCALE TURNED ON BUT ZERO WEIGHT CAN NOT BE ATTAINED**

**CHECK** Is anything load applied to platform?

**ACTION** Remove all loads from platform.

**CHECK** Is the scale affect by air flow, vibration or RF?

**ACTION** Place scale away from all disturbances.

**SYNDROME RATED CAPACITY CANNOT BE ATTAINED**

**CHECK** Is the TARE sign go on?

**ACTION** Turn scale off, remove all loads from platform and turn of again.

**CHECK** Anything obstructing the platform?

**ACTION** Remove all obstacles.

**SYNDROME SCALE DOES NOT WEIGH CORRECTLY**

**CHECK** Is the right weight unit employed?

**ACTION** Select the right weight unit.

**CHECK** Is the scale placed horizontally?

**ACTION** Adjust the adjustable feet to obtain level condition.

**CHECK** Is the scale affect by air flow, vibration or RF?

**ACTION** Place scale away from all disturbances.

**CHECK** Is the scale calibrated correctly?

**ACTION** Contact your local dealer.

**CHECK** Is part of the load striking against the pillar?

**ACTION** Place load properly.

**SYNDROME SCALE TURNED OFF AUTOMATICALLY**

**CHECK** Is the Auto Off Function employed?

**ACTION** Reset the Auto Off Function.

**CHECK** Is the LO-BAT sign is on?

**ACTION** Recharge the battery or plug in the mains adapter/input.

**SYNDROME SCALE DISPLAYS "00000"**

**CHECK** Is the weight of load excesses the max. capacity?

**ACTION** Removed loads on platter and check again.

## 6. DAILY CARE AND MAINTENANCE

- 6.1 Clean the platform and indicator with a soft and damp cloth, if necessary with a mild detergent.
- 6.2 Do not use any harsh, abrasive material, acetone, volatile solvent, thinner or alcohol for cleaning.
- 6.3 Verify the accuracy of the scale periodically. Re-calibrate the scale when needed.

**NOTE:** in some countries calibration is restricted to be done by qualified/authorized agent only. Contact your local dealer for more information.

- 6.4 Clean the scale before long term storage.
- 6.5 Store the scale in a dry and cool place.

## 7. INSTALLATION DIAGRAM BM or FM & LM

