MII-ECO

OPERATION MANUAL

PLEASE READ THIS MANUAL VERY CAREFULLY BEFORE OPERATING

CONTENTS

1. INSTALLATION

This product has a manufacturer serial number. If missing, the manufacturer's warranty is invalid and the product should be returned to your retailer for a full refund.

1.1 CHECK and make sure that the following items are included:

- This operation manual
- Scale x 1
- Plastic Platter x 1
- Stainless steel platter cover (if ordered)x 1
- Power adaptor x 1

Contact your dealer if any items are missing.

1.2 INSTALL plastic platter and stainless steel platter cover (if ordered) by pressing downward gently.

1.3 POWER the scale

a. Insert one 9V battery or 6 AA size battery into the battery pack underneath the scale, or

b. Apply the external power adaptor.

c. Before plugging the power adaptor into electricity outlet, check and make sure that the input voltage of power adaptor matches with the output voltage of the outlet.

If not, do not plug in the adaptor, contact your dealer immediately.

CAUTION:

When the power adaptor is being used, take all battery out from the battery pack. Failure to do so may cause battery leak/ explosion or damages to the scale. Do not use any rechargeable battery. The scale does not recharge any battery.

1.4 RETAIN all packaging materials for future transportation purposes. Warranty may void if transported in other than original packaging.

CAUTION:

In some cases, this unit is legal for trade only when it is sealed and bearing a serial number. Do not break or remove the seal or the serial number. Contact your dealer for more information or after sales service.
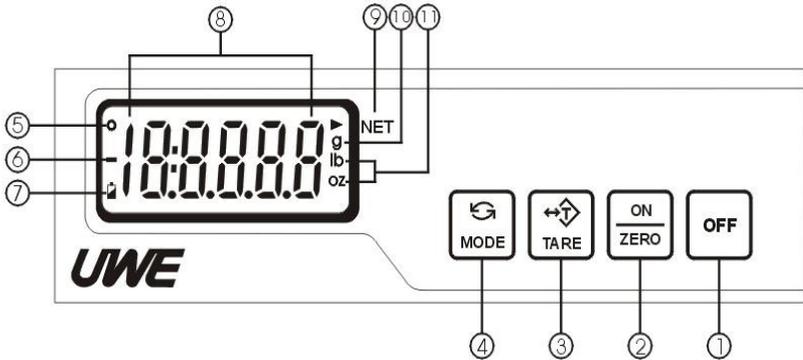
2. SPECIFICATIONS

Model	Capacity	Division
MII-600	600g/1lb 5.195oz	0.1g/0.005oz
MII-1200	1200g/2lb 10.40oz	0.2g/0.01oz
MII-3000	3000g/6lb 9.98oz	0.5g/0.02oz
MII-6000	6000g/13lb 4.00oz	1g/0.05oz
MII-2500	2500g/5lb 8.50oz	1g/0.05oz
MII-5000	5000g/11lb 1.0oz	2g/0.1oz
Power Source	1 x 9V battery or 6 x AA size battery or External Power Adaptor	
Max. Zero Range	2% of Rated capacity	
Max. Tare Range	100% of Rated capacity (Subtractive)	
Weight Units **(Note A)**	Metric (g), Avoirdupois (lb & oz)	
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 units may be disabled. Contact your dealer for more information.

3. KEYBOARD LAYOUT AND DESCRIPTION

1. OFF KEY
Press this key to turn scale off.

2. ON/ZERO KEY
Press this key to turn scale on or set weight to zero when unloaded.

3. TARE KEY
Press this key to tare off the weight of a container.

4. MODE KEY
Press this key to switch among various weight units with or without backlight.

5. ZERO INDICATOR
This indicator will appear when the scale is at true zero.

6. MINUS INDICATOR

This indicator will appear when the value being displayed is at negative value.

7. LO-BAT INDICATOR

This indicator will appear when the battery voltage is too low. Replace all battery or apply the external power adaptor immediately.

8. WEIGHT PANEL

Weight result is displayed here.

9. NET INDICATOR

This indicator will appear when tare function is being employed. Weight result being displayed is the net weight.

10. METRIC INDICATOR

This indicator will appear when the metric weight unit is being employed.

11. AVOIRDUPOIS UNITS INDICATOR

This indicator will appear when the avoirdupois weight unit is being employed.

4. INTERNAL FUNCTIONS AND INITIAL SETUP

4.1 SETTING PROCEDURES AND KEY FUNCTIONS

- Press and hold TARE and then press ON/ZERO. Release ON/ZERO and display shows F1.
- Use TARE to scroll through the menu and MODE to enter each function. (F1, F2,…etc)
- Once entering into the function menu, use MODE to scroll through options and TARE to confirm setting.
- Changes must be saved. To save changes, go back to internal setting menu and press **ON/ZERO**. Changes are saved after a beep sound is produced.

CAUTION

Do not alter any parameters set in Fun 1, which may cause system unstable or error or not accurate weighing result.

4.2 INTERNAL SETTINGS

FUNCTION	FUNCTION DESCRIPTION
F0	Backlight setting
F1	For Qualified Technical Personnel Only
F2	Check Display Segment- Under this function, backlight (if equipped) functional indicators and display segments will be lit up. Contact your dealer if any display element is missing.
F3	Select Auxiliary Weight Units
F4	Select Auto Power Off 3 parameters are available: • 0oFF (Auto Power Off Function disable) • 10oFF (Auto off when left idle for 10 min) • 30oFF (Auto off when left idle for 30 min)
F5	Select Rs-232 Baud Rate & Protocol
F6	ECO mode setting- Smart power saving function that will force system into sleep mode when leave idle for 10 seconds. Scale will come back to life when it detects an active weight, but initial response may be slower, though just factions of seconds.
F7	Select Serial Output Mode
F8	Select UTP Printout Format (This function is UTP related)
F9	Select Auto Tare Function

5. INSTRUCTION FOR USE

5.1 BEFORE WEIGHING

Make sure that:

a. The scale is placed on a level and strong surface.

b. The plastic platter is placed correctly on top of load receptor and the stainless steel platter cover is placed on the plastic platter.

c. The scale is turned on.

d. The **ZERO INDICATOR** is on. If not, press **ON/ZERO** to set display to zero.

5.2 WEIGHING

a. Always place an object onto the platter gently. Excessive force applied to platter may cause damages to sensor inside scale.

b. The weight of the object would be displayed automatically.

c. It is a good practice to remove all loads from platter after weighing. It would prolong the lifetime of scale.

5.3 SELECT WEIGHT UNIT

Press **MODE** to shift among various weight units (gram, lb/oz) with or without backlight if required. Refer to **4.2.2** for internal setting procedures.

The weight unit (used before power off) would be employed when the scale is turned on again.

5.4 SET DISPLAYED VALUE TO ZERO WHEN UNLOADED
Press **ON/ZERO** to set weight displayed to zero when unloaded. Refer to **SPECIFICATIONS** for maximum zero range.

5.5 TARE OFF THE WEIGHT OF A CONTAINER
When a container is used, follow the below steps to tare off the weight of it and get a net weight result.

a. Remove all loads away from platter
b. Make sure that zero weight and the **ZERO INDICATOR** appear. If not, refer to **5.4** to set display value to zero.
c. Place the container on the platter.
d. Press **TARE**.

After **TARE** is pressed, **NET INDICATOR** and then a zero weight value would be displayed. In this case, the **ZERO INDICATOR** will not appear even though a zero weight is displayed.

Refer to **5.2** for weighing procedures. Weight displayed is the net weight of the subject matter. Refer to **SPECIFICATIONS** for maximum tare range.

5.6 CLEAR THE TARE FUNCTION

a. Remove all loads from platter.

b. The scale will appear a negative value, which is the weight of the container, and the **ZERO INDICATOR** appears.

c. Press **TARE**.

d. After **TARE** is pressed, a zero weight will be displayed while the **ZERO INDICATOR** remains.

5.7 LO-BAT INDICATOR

When the **LO-BAT INDICATOR** appears, it means that the battery is faded out. Replace all battery with new ones, or apply the external power adaptor immediately.

CAUTION:

When the power adaptor is being used, take out all battery from the battery pack. Failure to do so may cause battery leak/ explosion or damages to the scale.

6. ERROR CODES AND TROUBLE SHOOTING

6.1 ERROR CODE

ERROR CODE	DESCRIPTION
Nostb	Calibration weight is not stable
Err_1	CPU failure
Err_2	Offset value too low
Err_3	Offset value too high

Contact your dealer immediately when error code appears.

6.2 TROUBLE SHOOTING

Syndrome   **Scale cannot be turned on**
Check: Is the scale powered or battery faded out?
Action: Replace the battery with a new one or apply the power adaptor.
Check: Is the power adaptor inserted properly into both the electricity outlet and the DC inlet of scale.
Action: Secure both ends of the power adaptor and try again.

Syndrome   **Scale displays "Err"**
Check: Is the load applied exceed the rated capacity of scale?
Action: Remove all loads from platter and try again.

Syndrome   **Scale turned off automatically**

Is the **AUTO POWER OFF FUNCTION** being employed?

Refer **to 4.2.3 Select Auto Power Off Function** Status and Weight Unit to disable the **Auto Power Off Function.**

Check: Is the **LO-BAT INDICATOR** on?

Action: Replace the battery with a new one, or apply the power adaptor immediately.

CAUTION: when the power adaptor is being used, take out the battery from the battery pack. Failure to do so may cause battery leak/explosion or damages to the scale.

Syndrome   **Weighing result is not accurate**

Check: Is the scale placed in a level condition?

Action: Relocate the scale to obtain a level condition.

Check: Is the scale affected by airflow, vibration or RFI?

Action: Place the scale away from all disturbances.

Check: Is the scale calibrated correctly?

Action: Contact your dealer.

Check: Is the correct weight unit employed?

Action: Refer to **4.2.2** and **5.2** for weight unit setting and usage.

7. DAILY CARE AND MAINTENANCE

a. Do not splash water on scale. Clean the scale with a soft and damp cloth. If necessary, apply a mild detergent.

b. Do not use any harsh, abrasive material, acetone, volatile solvent, thinner or alcohol for cleaning.

c. Verify the accuracy of scale periodically. Re-calibrate the scale if necessary.
   NOTE: In some countries, calibration is restricted to be done by an authorized / qualified agent only. Contact your dealer for more information.

d. Store scale in a dry and clean place.

e. Before long time storage, remove all battery from battery pack.

f. Do not open scale, no user serviceable parts inside. Contact your dealer for after service.