

FUNCTION SETTINGS

1. Enter function setting mode.
Press **[ON/OFF]** to turn the power off, Press **[PCS]** first, then press **[ON/OFF]**, while keeping **[PCS]** pressed, the display will show **A_ON** or **A_OFF**.
2. Selection of auto backlight mode.
When the balance is enter function setting menu. Press **[PCS]** key, the display will show **L_ON** or **L_OFF**, press **[ZERO]**, selection display **L_ON**, this means auto backlight function active, press **[ZERO]** again, the display will show **L_OFF**, this means auto backlight function inactive, i.e. shut off backlight function.
3. Selection of auto shut off mode.
When the balance is enter function setting menu. Press **[PCS]** key, the display will show **A_ON** or **A_OFF**, press **[ZERO]**, selection display **A_ON**, this means auto shut off function active. Press **[ZERO]** again, the display will show **A_OFF**, this means auto shut off function inactive.
4. Return to weighing mode.
Press **[ON/OFF]** to turn the power off, press **[ON/OFF]** again to turn on the power and the scale return to the weighing mode.

Counting procedures

1. Press **[ON/OFF]** to turn on the scale.

Wait for "0" to appear on the display.

2. Start the Count Procedure

If necessary, press **[ZERO]** key to set the display to "0".

3. Place a given number of samples of an item on the pan (the Sample Size should be either 10、 20、 50 or 100 pieces). The weight of these samples will show on the display.

4. Press the **[PCS]** key to put the scale in PCS mode.

5. Select the sample size (the same as you chose above) by pressing the **[PCS]** key. (press it as many times as necessary to put it in the correct sample size ,the sample size is the same as in step three =10、 20、 50 or 100.

6. Press the **[UNIT]** key, the display will show "**selected pcs**", Press **[PCS]** key, the display will show "**PASS**" then the scale will remember the sample size you selected and show the starting sample size on the display

(You can now remove the samples if you want to return the scale to 0)

7. Place the items that you want counted onto the tray and the total number of items will show on the display.

8. Presses the **[PCS]** key to exit the counting function and return to normal weighing or you can press **ON/OFF** to turn the scale off to exit .

NOTE: the weight of unit sample > 10e.

LIGHT WASH DOWN BALANCE

MRW series

INSTRUCTION MANUAL



MRW M-2-0512

SAFETY PRECAUTIONS

All safety messages are identified by the following the words "**WARNING**" and "CAUTION". These words mean the following:

ΔWARNING	Important information to alert you to a situation that might cause serious injury and damage to your property if instructions are not followed.
ΔCAUTION	Important information that tells how to prevent damage to equipment.

When using the scale/balance, the following safety precautions should always be followed.

Δ WARNING

Use only the AC adaptor with the scale/balance. Other adaptor may cause damage.

Δ CAUTION

Avoid installing the scale/balance in direct sunlight; this may cause discoloration or malfunctions.

Do not mix the type of batteries. Replace all other batteries at the same time.

If the scale/balance is not to be used for a long period of time, remove all batteries from the battery compartment to avoid leakage which may cause damage to the instrument.

Avoid overloading that could cause damage to the scale/balance.

Do not drop water in the scale/balance that is not water-resistant. It causes damage, if inside of the scale/balance is wet.

Matter charged static electricity could influence the weighing. Discharge the static electricity. As example, the method is to use the electrification prevention spray, to spray it to both side of weighing platform.

SPECIFICATIONS

Model number	Capacity	Division
MRW - 3	3 lb or 1.5 kg	0.0001 lb or 0.05g
MRW - 7	7 lb or 3 kg	0.0002 lb or 0.1g
MRW - 15	15 lb or 7.5 kg	0.0005 lb or 0.2g
MRW - 33	33lb or 15 kg	0.001 lb or 0.5g
Platter	165×175mm	
Net/gross weight	2.2kg/2.8kg	
Package	Standard carton: 25×20×8.5(cm ³)	
Operating Temperature	0-40°C(32-104°F)	
Power source	6x AA Size Batteries or AC/DC	
	Adapter 9V DC/100mA	

FEATURES

- Auto shut off (selectable).
- Auto zero tracking
- Low battery indication
- Large LCD
- Net weight/stability indication
- 1/2000,1/5000&1/15000 division available
- Auto calibration
- Auto backlight (selectable)
- kg/g/lb/oz/lb:oz conversion(selectable)
- Large square weighing pan

CALIBRATION

Note: Calibration is done in factory. Don't re-calibrate the Scale, unless it is not accurate.

How to calibrate

1. Press and keep **[ZERO]** key then press **[ON/OFF]** key to turn on the scale. The display will show CAPu= (full capacity unit selection). Press **[UNIT]** key to select unit between kg and lb. press **[PCS]** key to return.
2. Press **[PCS]** key again to enter into next menu, the display will show **CAP** (full capacity value, default setting is lb, 03, 07, 15). The display will show flashed digit, press **[ZERO]** key to increase the flashed digit, press **[UNIT]** key to move flashed digit. Press **[PCS]** key to confirm your selection.
3. Press **[PCS]** key again to enter into next menu, the display will show ALu=. (Setting unit selection), Press **[UNIT]** key to select unit between kg and lb. press **[PCS]** key to confirm your selection.
4. Press **[PCS]** key again to enter into next menu, the display will show CAL. Press **[UNIT]** key, the display will show flashed digit. Press **[ZERO]** key to increase the flashed digit, press **[UNIT]** key to move flashed digit, press **[PCS]** key to confirm your selection.
5. Press **[PCS]** key again to enter into next menu, the display will show div. Press **[UNIT]** key to select the division. Press **[PCS]** key to confirm your selection.
6. Press **[PCS]** key again to enter into next menu, the display will show AdC. Press **[UNIT]** key to select the value you want. (Default setting is 21). Press **[PCS]** key to confirm your selection.
7. Press and keep **[ZERO]** key then press **[ON/OFF]** to turn on the scale, then press **[ZERO]** key the display will show CAL then AD value. Press **[UNIT]** key, the display will show calibration weight. Place calibration weight then press **[UNIT]** key, the display will show -----then AD value.

If calibration is repeatedly incorrect then: 1) Replace the batteries, 2) Try a more stable surface or vibration and interference free location.

PARTS DESCRIPTION

► TOP

Weighing platform
The arch face of platform is front.
Correct the direction of the pan.

Display

ON/OFF key
Turns the scale/balance
Power on/off.

UNIT key
Changes weighing units
PCS key

ZERO key
Sets display to zero or
Subtracts weight of a container.

► BOTTOM

Battery compartment cover


Battery compartment

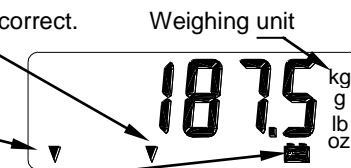
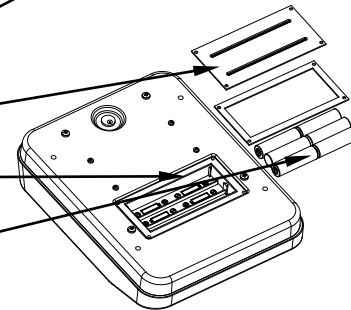
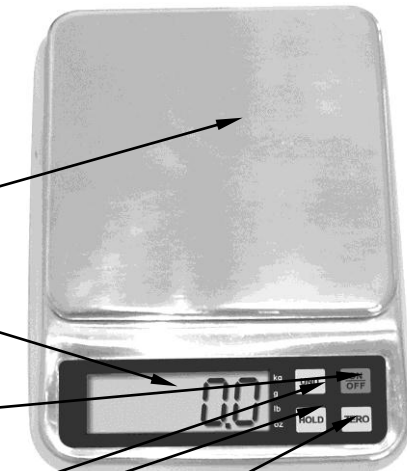
Batteries
6 x AA batteries

► DISPLAY

ZERO indicator
Indicates when the scale/balance zero is correct.

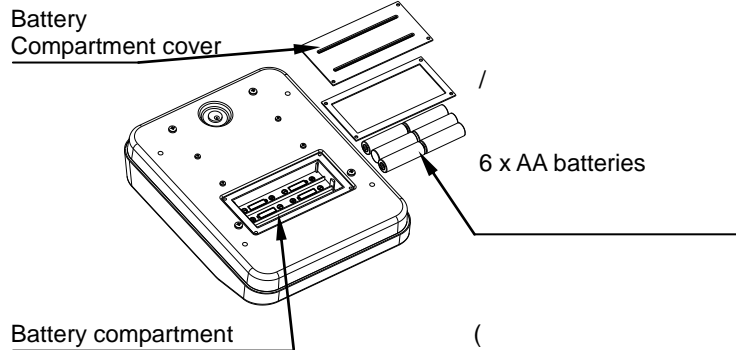
STABLE indicator
Indicates when the reading is stable.

 Low battery indicator

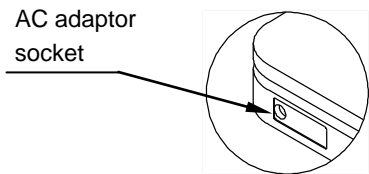


PREPARATION

1. Installing batteries/Connecting the AC adaptor & batteries



AC adaptor



Plug the AC adaptor to the AC adaptor socket on the side. The AC input requirement could be 110,120,220,230 or 240Volts (50/60Hz) depending on the area where used, so please verify that the adaptor is correct

2.Setting up the scale/balance

⚠ CAUTION

Avoid installing the scale/balance in direct sunlight; it may cause discoloration or malfunctions. Place your scale/balance on a firm weighing table so that the scale/balance is level. (The scale/balance will not perform accurately when it is not level.)


Place the scale/balance on the firm surface that is flat and level for an accurate weighing, don't put the scales on the carpets.

WEIGHING

Before weighing

Whenever possible, please allow the balance to warm up for 10 minutes after first turning to power on, so that the balance will function properly and accurately.

Error messages

EEEE: Overload
: Low battery

Calibration may be required before weighing.

Read "CALIBRATION" first and if necessary, calibrate your scale/balance for accurate weighing.

Weighing procedures

1. Select the weighing unit with [UNIT].

Press [UNIT] to select a weighing unit, eg. "kg"、"g"、"lb"、"oz" or "lb:oz"
Once the unit has been selected, the selected unit will be displayed to the weight value.

2. Start weighing

If you do not use a container for weighing,

Verify the reading is "0". If not, press [ZERO] to display "0".
Place objects on the weighing platform to weigh.
When the reading becomes stable, the stable indicator is displayed.

If you use a container for weighing,

Place an empty container on the platform.
Wait for the stability indicator to be displayed and press [ZERO].
Place the objects to be weighed in the container.
When the reading becomes stable, the stable indicator is displayed.