

## User manual

Thank you for purchasing this product! Please read all operating instructions carefully before use. This electronic scale is a precision instrument. With normal care and proper treatment, it will provide years of reliable service.

- Never load the scale with more than the maximal capacity.  
Overloading will permanently damage it.
- Avoiding any exposure to extreme heat or cold; your scale works better when operated at normal room temperature. Always allow the scale to acclimate to normal room temperature for at least one hour before use.
- Give your scale sufficient warm up time. Usually 30-60 seconds before calibration to give the internal components a chance to stabilize.
- Keep your scale in a clean environment. Dust, dirt, moisture, vibration, air currents and a close distance to other electronic equipment can all cause an adverse effect on the reliability and accuracy of your scale.
- Handle with care. Gently apply all items to be weighed onto tray top. Although this scale is designed to be quite durable, try to avoid rough treatment as this may permanently damage the internal sensor.
- Avoid shaking, dropping or otherwise shocking the scale. This is a precision instrument and must be handled with extreme care.
- Only operate the scale on a stable, vibration free surface.

## I. Operation

Place scale on a horizontal flat surface.

1. Press  $\odot$  key
2. Wait until [0.0] is displayed.
3. Put the object(s) on the weighing platform.
4. Using the M key, you can switch between the weighing units.

## II. Tare Weighing

1. Turn on scale as described above.
2. Place the „tare item“ on the platform.
3. Press T and wait until [0.0] is displayed.
4. Add the „net-weight-item“.

## III. Specifications:

is-dm-150:	150g x 0.1g	4 Units:	g/oz/ozt/dwt
is-dm-300:	300g x 0.1g	4 Units:	g/oz/ozt/dwt
is-dm-50:	50g x 0.01g	4 Units:	g/gn/ct/dwt

Auto off:	30 seconds off
Operation Temp:	10 - 30 °C
Display:	LCD 4 1/2 digits
Backlight:	Blue backlight
Power:	1 x CR2032 Batteries
Dimensions:	72 mm x 36 mm x 12 mm
Weight:	40 g

## IV. Calibration

### Special Calibration

If the display shows [OUE2] after turning on:

1. Turn off the scale.
2. Press  $\odot$  key shortly. Then immediately press and hold M&T keys together until [CAL] will be displayed. Release the M&T keys. Now the scale displays a random number.
3. Press the M key again. Now the display reads [2Ero].
4. Place a 100 g weight on the center of the platform. Wait 2 seconds then press M key again. The LCD display reads [PASS]; then [100.0].
5. Remove the weight and press  $\odot$  key to turn off the scale. Finish!

### Standard Calibration

1. Turn off the scale
2. Press  $\odot$  key shortly. Then immediately press and hold M until [CAL] and [200.0] will be displayed. Release the M key.
3. Press M again. Now the display reads [CAL] and [200.0] will flash 3 times.
4. Place a 100g weight on the centre of the platform. Wait 3-4 seconds. The LCD display reads [PASS], then [100.0]
5. Remove the weight and press  $\odot$  to turn off the scale. Finish!

Repeat this process if something was going wrong. Please check the availability of weights at the store you bought your scale from.

## V. Troubleshooting

The primary reasons for inaccuracy or malfunction are low batteries, incorrect calibration, overload or operating on an unstable surface. Please keep this in mind and maintain and operate your scale properly. The scale is a precise instrument and must be handled with the upmost care and caution.

Display	Elimination of errors
Nothing	[lo] or [88888] Change the batteries.
Batteries [OUT2]:	Recalibrate the scale as shown above.
[EEEEEE]:	You are overloading the scale. Remove the excessive load immediately
[LLLLL]:	The delicate weighing load cells have been damaged by misuse (i.e. it was shocked, dropped or overloaded). You can try to recalibrate the scale. If the load cell has not been damaged too much it will work again after recalibration.
[UNST]:	Use the scale in a more stable position.