

EC-138 Conductivity Tester

Operating Manual

● SPECIFICATIONS

Measuring range: 10~1990uS/cm

Resolution: 10uS/cm

Accuracy: $\pm 2\%$ Full Scale

Calibration: Factory calibrated

Temp. C: 0-50°C (Temp. Compensation: Automatic)

Power supply: DC 4×1.5v

Dimensions: 150mm×29mm×15mm

Calibration Solutions: 1410uS/cm



● OPERATION

1. Remove the protective cap.
2. Clean the electrode with distilled water, and wipe it with filter paper.
3. Turn on conductivity meter by ON-OFF switch located on top.
4. Immerse the electrode in the solution to be tested.
5. Stir gently and wait for the reading to stabilize.
6. After use, turn off the meter. Rinse the electrode with distilled water to minimize contamination.
7. Replace the protective cap after use.

Note:

Conductivity meter value is LCD screen value X10.

Example: reading display to 141, actual conductivity meter value for: $141 \times 10 = 1410 \text{ uS/cm}$

● Calibration

1. Immerse the meter in the distilled water. Activate it after a few hours.
2. Immerse the meter in 1410uS/cm calibration solution (at 25°C). And stir it gently.
3. Allow the reading to stabilize and with a small screwdriver turn the calibration trimmer until the display shows "141".
4. Rinse the electrode with distilled water and suck it with filter paper.

● Battery Install

If the meter can not be switched on or the display fades, please check the voltage of power supply (replace the batteries when the voltage is lower than 4-4.5V).

Pay attention to the polarity of battery when replacing batteries.

● Warranty

These instruments are warranted from all defects in material and manufacturing for a period of one year from the date of purchase.

If during this period, the repair or the replacement of parts is required where the damage is not due to negligence or erroneous operation by user, please return the parts to either dealer or our offices, and the repair will be effected free of charge.