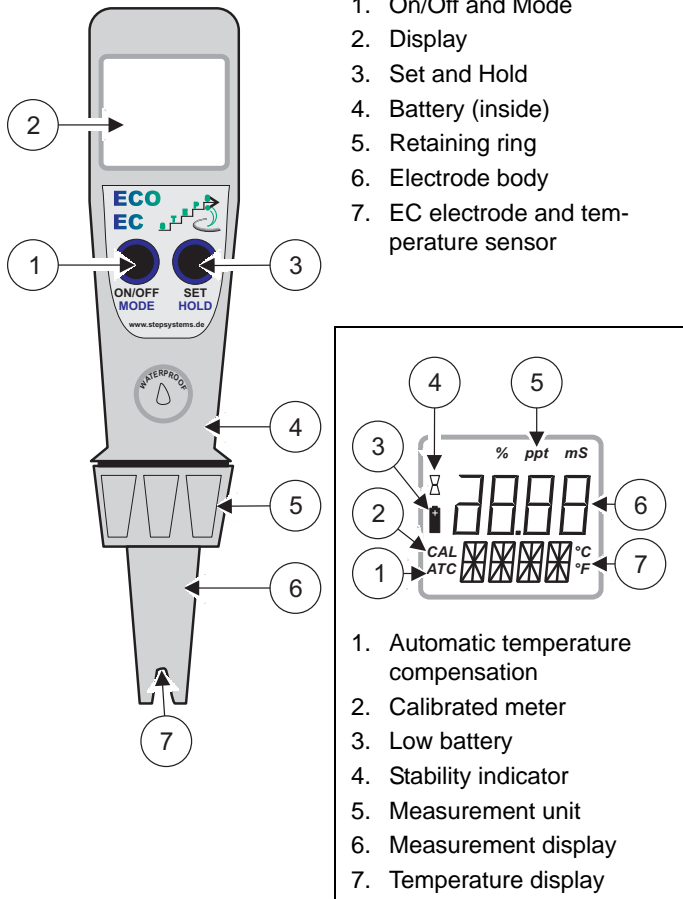
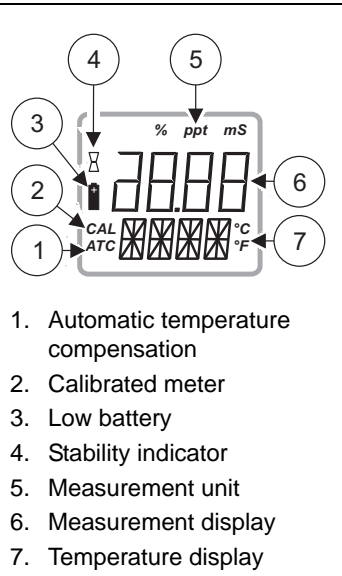


Front panel and display



1. On/Off and Mode
2. Display
3. Set and Hold
4. Battery (inside)
5. Retaining ring
6. Electrode body
7. EC electrode and temperature sensor



1. Automatic temperature compensation
2. Calibrated meter
3. Low battery
4. Stability indicator
5. Measurement unit
6. Measurement display
7. Temperature display

Technical data

Range	0 to 20 mS/cm, 0 to 60°C (32 to 140°F)
Resolution	0,01 mS, 0,1°C (0,1°F)
Accuracy	± 2% , ± 0,5°C (± 1°F)
Calibration	automatic 1 point 12,88 mS
TDS Factor	selectable 0,45 to 1,00
Temperature compensation	automatic from 0 to 60 °C
Battery	4 x 1,5V button type, approx. 100 hours of use
Auto-off	after 8 minutes of non-use
Envirment	-5 to 50°C (23 to 122°F), RH 100%
Housing	waterproof
Dimension	175,5 x 39 x 23 mm
Weight	100 g
Warranty	1 year, 3 month electrode

Operation

Turn on and measurement

1. Press and hold **ON/OFF** until the display lights up.
2. Remove the protective cap of the electrode.
3. Select with **SET/HOLD** the TDS or EC measurement mode. The tester is now ready for operation.
4. Put the electrode into the sample and move it gently.
5. The stability indicator shows a stable measurement result.
6. Freeze the display with **SET/HOLD**. Press any button to return to measurement mode.
7. To turn off the tester press **ON/OFF** until the display shows **OFF**.
8. Clean the electrode after each measurement session with distilled water and put on the protective cap.

Calibration

Calibrate the ECO EC-Tester, if

- the electrode has been replaced
- min. once per month
- to ensure accurate results

1. Press **ON/OFF** until the measurement mode is shown.
2. Press and hold **ON/OFF**, until the display shows **CAL**.
3. Release **ON/OFF**, the display shows **12.88 USE**. The CAL-symbol flashes.
4. Put the electrode in the calibration solution 12,88 mS. The display shows **OK**.
5. After successful calibration the tester returns to the measurement mode.

Maintenance

Change the electrode

1. Unscrew the retaining ring and put it off.
2. Pull off the old electrode body.
3. Put on the new electrode body.
4. Screw the retaining ring on.
5. Calibrate the electrode.

Change the battery

1. When the display shows the battery icon, change the batteries.
2. Unscrew the retaining ring and put it off.
3. Pull off the electrode body.
4. Pull out the battery compartment gently.
5. Change the four 1,5V button batteries, pay attention to the polarity.
6. Press the battery compartment carefully back into the ECO EC-Tester.
7. Put on the electrode body.
8. Screw the retaining ring on.
9. Calibrate the electrode.