

EC Temp meter E50 Pro2

Measures EC • Temp

User manual

Benutzerhandbuch

Handleiding

Manuel d'utilisation

Manuale utente

Manual del usuario



About Aqua Master Tools

Established in 2018

Aqua Master Tools is the Dutch supplier of user-friendly and reliable pH, EC, and temperature meters. Our meters are used for swimming pools, aquariums, Jacuzzi's, ponds, and liquid plant nutrition.

We understand the importance of convenient, accurate and high-quality meters - and we are on a continuous quest to innovate our products. Aqua Master Tools' wide range of products are customised to our user's needs.

Satisfaction **guaranteed**

- Easily replaceable electrodes
- Built to last products
- Fully calibrated meters
- Unprecedented quality



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Visit www.aquamastertools.com
or scan the QR code to watch
our **HOW-TO VIDEOS**



1. Cap
2. Display
3. On/off button
4. CAL/Up button

5. Celsius/Fahrenheit/
Down button
6. Electrode
7. Screw cap
8. Protective cover

Operation and use

Watch the How-to videos at Aqua Master Tools' website.

1. Remove the protective cover.
2. Gently clean the electrode with distilled water and dry it off.
3. Press the On/off button to start the meter.
4. Insert the meter upright into the solution up to the edge and stir gently. Wait a few seconds for the correct value to appear on the display.
5. Press the C/F button to switch between Celsius and Fahrenheit.
6. By pressing the temperature button for 5 seconds, you can switch between one or two decimals.
7. Rinse the electrode with water after use and press the On/off button to turn off the meter.

Calibrating the EC meter

Watch the How-to videos at Aqua Master Tools' website.

1. Press the On/Off button to start the meter.
2. Gently clean the electrode with distilled water and dry it off.
3. Place the meter in the desired EC calibration liquid.
4. Press and hold the CAL button for 5 seconds until the cal logo at the top of the screen flashes.
5. Use the up or down key to set the calibration fluid value.
6. Once the correct value is reached, press the power key to confirm the calibration. The meter will now return to normal mode and the calibration is complete.
7. Rinse the meter with clean water.

Calibration indicator

The calibration indicator on top of the screen (CAL✓) will appear after successfully calibrating EC. The indicator will disappear after 30 days as a reminder that the device needs to be recalibrated.

Replacing the electrode

Watch the How-to videos at Aqua Master Tools' website.

1. Properly unscrew the sealing ring in the lower part of the meter.
2. Remove the defected/old electrode by gently pulling it.
3. Carefully place the new electrode with the recess in the correct position so that the connectors properly connect and do not damage the meter or electrode.
4. Check that the rubber seal is properly placed.
5. Tightly tighten the sealing ring.
6. Calibrate the meter as described in this manual.
7. The meter is now ready for use.

Specifications

Range	EC: 0.00 ~ 19.99 mS/cm mS/cm Temp.: 0 ~ 50°C (32°F ~ 122°F)
Resolution	EC: 0.01 or 0.1 mS/cm Temp.: 0.1 °C (0.2 °F)
Accuracy	EC: ± 2% Temperature: ±1°C (±2°F) Temp. compensation: 0°C - 50°C (32°F - 122°F)
Calibration	EC: manual calibration suitable for every EC calibration liquid
Features	Battery indicator & automatic temp. compensation
Power supply	2 x 1.5 Volt AAA battery (included)
Auto. power-off	After 8 minutes
Calibration indicator	After successful calibration, disappears after 30 days.
Waterproof	IP67
Dimensions	230 x 43 x 43 mm
Weight	132 grams

Warning or issues

- Always make sure that there are no air bubbles present in the solution during calibration. This could affect the measurements.
- If the EC value does not decrease to 0, insert the electrode into ethyl alcohol and shake gently for 5 to 10 seconds.
- Make sure the calibration solution is 25 °C when calibrating the meter. Failure to do so may affect the result of the calibration.
- Avoid placing the meter near ballasts or any other electrical appliances. Force fields may affect the readings.
- If during calibration the EC value keeps rising or dropping slowly and does not stabilise, please replace the batteries and calibrate the meter. Bad batteries or low power levels may influence the measurement results.

Replacing the batteries

If the battery indicator at the top right of the display is activated, or if the display dims, please replace the batteries. To do so, unscrew the top and replace the 2 x 1.5 Volt AAA batteries.

Warranty

This meter is warranted from all defects in material and manufacturing for a period of one year from the date of purchase. The electrode is warranted from all defects in material and manufacturing for a period of six months from the date of purchase. If during this period any parts need reparation or replacement and the damage is not due to incorrect operation by the user, please send the parts to the dealer or to us and the repair will be free of charge. Please refer to the exclusion warning.



- 1. Verschluss
- 2. Display
- 3. Ein-/Aus-Schalter
- 4. CAL/Hoch Taste
- 5. Celsius/Fahrenheit/

- Runter Taste
- 6. Elektrode
- 7. Drehverschluss
- 8. Schutzkappe