Elcometer 138 Conductivity Meter

Incorporating a flat sensor, the Elcometer 138 Conductivity Meter can measure the conductivity of a solution from a single drop of a sample.

Users can either place a sample on the conductivity meter's flat sensor or immerse the meter's sensor directly into the solution under test. The Elcometer 138 Conductivity Meter can be used for a broad range of applications, including: soluable salt concentrations, the electric conductivity (EC) of solutions used in agricultural operations and measuring rainwater pollution levels.

The Elcometer 138 Conductivity Meter features:

- Highly precise measurements can be obtained from a single drop
- Automatic range switching gives a wide measurement range of 1µs/cm to 19.99mS/cm
- Out of range and low battery alarms
- Visual indication when ambient temperature is outside the operating range

Technical Specification

Part Number	Description
E138-CM	Elcometer 138 Conductivity Meter
Measurement Principle	2 Electrode Bipolar AC
Measurement Mode	Conductivity, Temperature
Minimum Sample Volume	0.12ml
Measuring Range	0 - 19.99mS/cm
Resolution	0 - 1999µS/cm: 1µS/cm 2.00 - 19.99mS/cm: 0.01mS/cm
Accuracy	±2% full scale (for each range)
Operating Temperature	5°C to 40°C (41°F to 104°F)
Temperature Compensation	2% per degree Celsius
Operating Humidity	85% or less relative humidity (no condensation)
Battery Type	2 x CR2032 lithium batteries
Battery Life	approx. 200 hours of continuous use without backlight
Weight	50g (1.76oz) - including sensor and batteries
Dimensions	164 x 29 x 20mm (6.5 x 1.1 x 0.79")
Packing List	Elcometer 138 Conductivity Meter, 14ml (0.5fl oz) bottle of conditioning solution, 14ml (0.5fl oz) bottle of standard 1413µS/cm calibration solution, 2 x CR2032 lithium batteries and operating instructions

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Accessories

T13833402	Replacement Sensor
T13830629-2	Standard 1413µS/cm Calibration Solution, 250ml (8.45fl oz) Bottle

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