elcometer

Elcometer 138 Conductivity Meter

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: soluble 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 v
- Out of range and low battery alarms
- Visual indication when ambient temperature is outside the operating range

Technical Specifications

Part Number	Description	
E138-CM	Elcometer 138 Conductivity Meter	
Measurement Principle	2 Electrode Bipolar AC	
Measurement Mode	Conductivity & Temperature	
Minimum Sample Volume	0.12ml	
Measurement 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	
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 - including sensor and batteries	
Dimensions	164 x 29 x 20mm	

Packing List

Elcometer 138 Conductivity Meter
14ml Bottle of Conditioning Solution
14ml Bottle of standard 1413µS/cm calibration solution
2 x CR2032 Lithium Batteries
Operating Instructions

Accessories

Part Number	Description
T13830628	Replacement Sensor
T13830629-2	Standard 1413µS/cm Calibration Solution, 250ml Bottle

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