

elcometer®

inspection equipment

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DFT

Fineness of

Grind, Density

Flow & Dip Cups

Rotational Viscosity

Flash Point, Impact Testers

Washability & Abrasion Testers

Film Applicators, Bend Testers, Gloss

Thickness Gauges, Surface Profile, Wet Film

Dry Film, Coating Thickness Gauges

Climatic Testing, Adhesion, Pinhole Testers

Porosity, Software, Dispersion, Inspection Kits

Zahn Cups, Motorised Film Applicators

Drying Time Recorders, Washability, Abrasion

Scratch & Hardness, Elasticity & Deformation

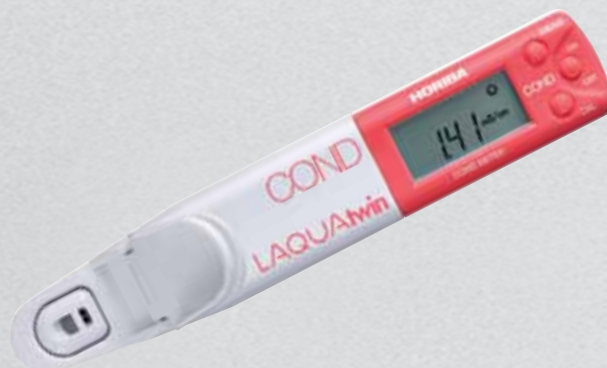
Surface Cleanliness, DOI Gloss Meters

Colour, Moisture, Dewpoint Meters

Cross-Hatch, Oven Recorders

Surface Contamination

ElcoMaster™



Elcometer 138

Conductivity Meter

www.elcometer.com

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 meter's flat sensor or immerse the meter's sensor directly into the solution under test. The Elcometer 138 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 includes a convenient salinity conversion indicator.

Features:

- Highly precise measurements can be obtained from a single drop
- Automatic range switching gives a wide measurement range of 1µS/cm to 19.9mS/cm
- Out of range and low battery alarms
- Visual indication when ambient temperature is outside the operating range



Technical Specification

Part Number	Description		
T13823925	Elcometer 138 Conductivity Meter		
Units	S/cm, S/m, % Salinity, ppm (Total Dissolved Salts - TDS)		
Measuring Range	Conductivity: Salt: TDS:	0 mS/cm to 19.9 mS/cm, 0 S/m to 1.99 S/m 0% to 1.1% 0 ppm to 9900 ppm	
Resolution	0 µS/cm to 199 µS/cm: 0.20 mS/cm to 1.99 mS/cm: 2.0 mS/cm to 199 mS/cm: 20 mS/cm to 199 mS/cm:	1 µS/cm 0.01 mS/cm 0.1 mS/cm 1 mS/cm	
Accuracy	0 µS/cm to 199 µS/cm: 0.20 mS/cm to 1.99 mS/cm: 2.0 mS/cm to 199 mS/cm: 20 mS/cm to 199 mS/cm:	± 5 µS/cm ± 0.05 mS/cm ± 0.5 mS/cm ± 5 mS/cm	
Operating Temperature	5°C to 40°C (41°F to 104°F)		
Power Supply	2 x CR2032 lithium batteries	Battery Life	approx. 400 hours of continuous use
Dimensions	164 x 29 x 20mm (6.5 x 1.2 x 0.8")	Weight	47g (1.7oz)
Packing List	Elcometer 138, 14ml (0.5fl oz) bottle of standard 1.41mS/cm calibration solution, 14ml (0.5fl oz) bottle of moistening solution, syringe, 2 x CR2032 lithium batteries and operating instructions		

Accessories

T13823926	Standard 1.41 mS/cm Calibration Solution - 14ml (0.5fl oz) Bottle
T13823927	Moistening Solution - 14ml (0.5fl oz) Bottle
T99911344	250ml (8.5fl oz) Bottle of Pure Water
T13818517	15ml (0.1fl oz) Syringe - Pack of 3
T13823928	Replacement Conductivity Sensor