

Elcometer 138E Conductivity Meter



Incorporating a cup-style sensor, the Elcometer 138 Conductivity Meter can measure the conductivity of a solution from a few drops of a sample.

Users can either place a sample on the meter's sensor or immerse the meter's sensor directly into the solution under test. The Elcometer 138E Conductivity Meter is suitable for a broad range of applications, including measuring the concentration of soluble salts, and measuring the electric conductivity (EC) of solutions.

Features

- Automatic range switching gives a wide measurement range of 0µS/cm to 20mS/cm
- Out of range and low battery indicators
- Automatic temperature compensation (ATC) and manual or automatic one- or two-point calibration
- LCD screen with indicators and error messages, dual-line display
- User-replaceable integrated 2-pin, stainless steel electrode provides chemical resistance

Technical Specifications

Part Number	Description
T13827355	Elcometer 138E Conductivity Meter
Measurement Principle	2 AC Bipolar Method
Sensor Type	Cup
Units	µS/cm, mS/cm
Measuring Range & Resolution	PU: 0 - 200.0µS/cm LO: 0 - 2000µS/cm HI: 0 - 20mS/cm
Accuracy	± 1% of Full Scale
LCD Display	Custom Dual Display; 27 x 21mm
Operating Temperature	0°C to 50°C
Power Supply	4 x 1.5V LR44 batteries
Battery Life	>150 hours
Dimensions	165 x 38mm
Weight	90g - including batteries

Packing List



- Elcometer 138E
- 4 x 1.5V batteries
- Operating instructions

Accessories

Part Number	Description
T13827352-1	Standard 447 $\mu\text{S}/\text{cm}$ (0.447 mS/cm) Calibration Solution – 4 x 20ml Single Use Pouches
T13827352-2	Standard 1413 $\mu\text{S}/\text{cm}$ (1.413 mS/cm) Calibration Solution – 4 x 20ml Single Use Pouches
T13827352-3	Standard 15000 $\mu\text{S}/\text{cm}$ (15 mS/cm) Calibration Solution – 4 x 20ml Single Use Pouches
T13823926	Standard 1.41 mS/cm (1410 $\mu\text{S}/\text{cm}$) Calibration Solution – 6 x 14ml Bottles
T13824404	Standard 12.9 mS/cm (12900 $\mu\text{S}/\text{cm}$) Calibration Solution – 6 x 14ml Bottles
T13827259	Pure Distilled Water 250ml Bottle
T13827455	Replacement Sensor for Conductivity Meter