

## 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:	0 mS/cm to 19.9 mS/cm, 0 S/m to 1.99 S/m	
	Salt:	0% to 1.1%	
	TDS:	0 ppm to 9900 ppm	
Resolution	0 µS/cm to 199 µS/cm:	1 µS/cm	
	0.20 mS/cm to 1.99 mS/cm:	0.01 mS/cm	
	2.0 mS/cm to 199 mS/cm:	0.1 mS/cm	
	20 mS/cm to 199 mS/cm:	1 mS/cm	
Accuracy	0 µS/cm to 199 µS/cm:	± 5 µS/cm	
	0.20 mS/cm to 1.99 mS/cm:	± 0.05 mS/cm	
	2.0 mS/cm to 199 mS/cm:	± 0.5 mS/cm	
	20 mS/cm to 199 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

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