

Elcometer 138 Bresle Salt Meter

Incorporating a flat sensor, the Elcometer 138 Bresle Salt Meter measures the conductivity of a sample, then automatically converts this to show the density of salts, negating the need for the user to do a manual calculation when working in accordance with ISO 8502-6 or ISO 8502-9.

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 Bresle Salt Meter features:

- Highly precise measurements can be obtained
- Out of range and low battery alarms
- Visual indication when ambient temperature is outside the operating range



Technical Specification

Part Number	Description	
E138-BSM	Elcometer 138 Bresle Salt Meter	
Measurement Principle	2 Electrode Bipolar AC	
Measurement Mode	ISO, IMO, Temperature	
Minimum Sample Volume	0.12ml	
	ISO Mode	IMO Mode
Measuring Range	0 - 2399 $\mu\text{g}/\text{cm}^2$	0 - 2199 $\mu\text{g}/\text{cm}^2$
Conversion Factor	$\mu\text{S}/\text{cm}$ to $\mu\text{g}/\text{cm}^2$: 0.12 $\mu\text{S}/\text{cm}$ to mg/m^2 : 1.2	$\mu\text{S}/\text{cm}$ to $\mu\text{g}/\text{cm}^2$: 0.11 $\mu\text{S}/\text{cm}$ to mg/m^2 : 1.1
Resolution	0 - 239.9 $\mu\text{g}/\text{cm}^2$: 0.1 $\mu\text{g}/\text{cm}^2$ 240 - 2399 $\mu\text{g}/\text{cm}^2$: 1 $\mu\text{g}/\text{cm}^2$	0 - 219.9 $\mu\text{g}/\text{cm}^2$: 0.1 $\mu\text{g}/\text{cm}^2$ 220 - 2199 $\mu\text{g}/\text{cm}^2$: 1 $\mu\text{g}/\text{cm}^2$
Accuracy	$\pm 2\%$ 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 Bresle Salt Meter, 14ml (0.5fl oz) bottle of conditioning solution, 2 x CR2032 lithium batteries and operating instructions	

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Accessories

T13833402	Replacement Sensor
T13830629-1	Standard 84µS/cm Calibration Solution, 250ml (8.45fl oz) Bottle