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Elcometer 138
Bresle Salt Kit
www.elcometer.com

Elcometer 138

Bresle Salt Kit

STANDARDS:

AS 3894.6-A, IMO MSC.215 (82), IMO MSC.244 (83), ISO 8502-6, ISO 8502-9, SSPC Guide 15, US Navy NSI 009-32, US Navy PPI 63101-000

It is essential that the level of contaminants on a surface is measured prior to application of the coating to ensure the quality of the coating and that its optimum lifetime is achieved.

If the coating is applied to a contaminated surface, which is not properly prepared, it could fail prematurely resulting in costly re-coating and high maintenance costs.

The Elcometer 138 Bresle Kit includes the Elcometer 138 Conductivity Meter. This lightweight, portable conductivity meter accurately measures the salinity of the test samples.

The cartridge type sensor can be easily replaced when necessary and displays conductivity in a range of units including: S/cm, S/m, ppm and % salinity.

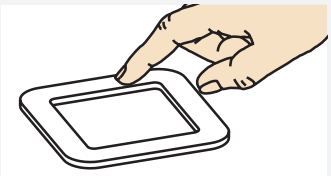
Technical Specification

Part Number	Description		
E138-1	Elcometer 138 Bresle Salt Kit		
Measurement Range	0 mS/cm to 19.9 mS/cm and 0 S/m to 1.99 S/m		
Accuracy	2% full scale ±1 digit		
Dimensions	300 x 220 x 75mm (11 x 8.6 x 3”)	Weight	2.1kg (4.62lb)
Packing List	Box of 25 Bresle patches, Elcometer 138 Conductivity Meter, 14ml (0.5fl oz) bottle of standard 1.41 mS/cm calibration solution, 14ml (0.5fl oz) bottle of moistening solution, 250ml (8.5fl oz) bottle of pure water, 3 x 5ml (0.1fl oz) syringes, 3 x blunt needles, 30ml (1fl oz) plastic beaker, 2 x CR2032 lithium batteries, carry case and operating instructions		

Accessories

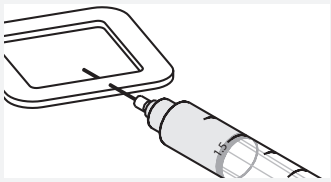
E135----B	Bresle Patches (Box of 25)	T13818519	Plastic Beaker 30ml (1fl oz)
T13818517	3 x 5ml (0.1fl oz) Syringes	T13823926	Calibration Solution 1.41 mS/cm 14ml (0.5fl oz) bottle
T13818518	3 x Needles	T99911344	Pure Water 250ml (8.5fl oz) Bottle

Measuring salt contamination using the Bresle method in accordance with ISO 8502-6/ISO 8502-9



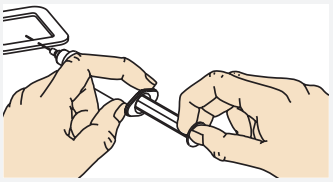
Remove protective backing and foam centre from the patch.

Apply the patch to surface and press firmly around perimeter to achieve a complete seal - ensuring that a minimum amount of air is trapped within the test compartment.



Insert 3ml of deionised water from the syringe into the patch through its foam perimeter, at a 30° angle, so that it passes through the foam into the test compartment.

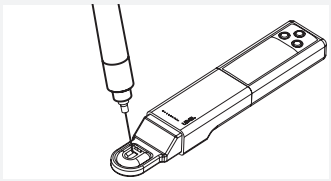
Inject 1.5ml of water into the test compartment.



Reposition the needle and remove the remaining air within the compartment.

Remove the needle and syringe and hold the syringe with the needle pointing upwards and expel the air.

Insert the syringe needle into the patch and inject the remaining water.



Withdraw and pull the solution back into the syringe and re-inject back into the patch.

Repeat at least four times and then extract as much solution as possible.

Remove the syringe from the patch and measure the conductivity of the solution using a suitable Conductivity Meter such as the Elcometer 138.