

## 138 Bresle Salt Kit

### Surface Preparation - Cleanliness

**elcometer®**  
inspection equipment

#### Elcometer 138 Bresle Salt Kit

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

#### 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



**E138-1C** - Elcometer 138 Bresle Salt Kit featuring the NEW Elcometer 135C Bresle Test Patches



**E138-1** - Elcometer 138 Bresle Salt Kit with the ORIGINAL Elcometer 135B Bresle Test Patches

#### Technical Specification

Part Number	Description	Certificate
<b>E138-1C</b>	Elcometer 138 Bresle Salt Kit with Elcometer 135C Bresle Test Patches	•
<b>E138-1</b>	Elcometer 138 Bresle Salt Kit with Elcometer 135B Bresle Patches	
Measurement Range	0 mS/cm to 19.9 mS/cm and 0 S/m to 1.99 S/m	
Accuracy*	2% full scale $\pm 1$ digit	
Dimensions	346 x 292 x 84mm (13.6 x 11.5 x 3.3")	Weight 1.1kg (2lb 7oz)
Packing List	Box of 25 Elcometer 135C Bresle Test Patches (E138-1C) or Elcometer 135B Bresle Patches (E138-1), Elcometer 138 Conductivity Meter, 14ml (0.47fl 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 (0.17fl oz) syringes, 3 x blunt needles, 30ml (1fl oz) plastic beaker, 2 x CR2032 batteries, carry case and operating instructions	

#### Accessories

<b>E135-----C25</b>	Elcometer 135C Bresle Test Patch (Box of 25)	<b>T13823925</b>	Elcometer 138 Conductivity Meter
<b>E135-----C100</b>	Elcometer 135C Bresle Test Patch (Box of 100)	<b>T13823928</b>	Replacement Conductivity Sensor
<b>E135-----B</b>	Bresle Patches (Box of 25)	<b>T13818517</b>	3 x 5ml (0.17fl oz) Syringes
<b>T13818519</b>	Plastic Beaker 30ml (1fl oz)	<b>T13818518</b>	3 x Needles
<b>T13827259</b>	Pure Water 250ml (8.5fl oz) Bottle		
<b>T13827352-1</b>	Standard 447 $\mu$ S/cm (0.447 mS/cm) Calibration Solution – 4 x 20ml (0.74fl oz) Single Use Pouches		
<b>T13827352-2</b>	Standard 1413 $\mu$ S/cm (1.413 mS/cm) Calibration Solution – 4 x 20ml (0.74fl oz) Single Use Pouches		
<b>T13827352-3</b>	Standard 15000 $\mu$ S/cm (15 mS/cm) Calibration Solution – 4 x 20ml (0.74fl oz) Single Use Pouches		
<b>T13823926</b>	Standard 1.41 mS/cm (1410 $\mu$ S/cm) Calibration Solution – 6 x 14ml (0.47fl oz) Bottles		
<b>T13824404</b>	Standard 12.9 mS/cm (12900 $\mu$ S/cm) Calibration Solution – 6 x 14ml (0.47fl oz) Bottles		

• Certificate of Cleanliness & Test Area available at [www.elcometer.com/cert](http://www.elcometer.com/cert)

\* See Elcometer 138 Conductivity Meter for full specification

[www.elcometer.com](http://www.elcometer.com)

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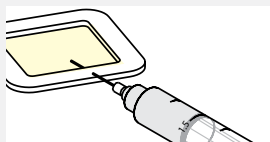
### Elcometer 138 Bresle Salt Kit

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



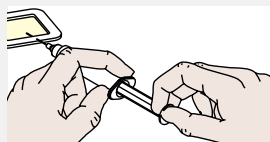
Remove protective backing and foam centre from the patch.

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.

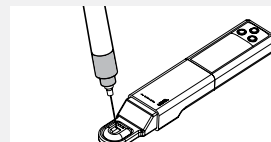


Fill the syringe with 3.0ml of pure water. Insert the syringe into the patch through its foam perimeter, at a 30° angle, so that it passes through the foam into the test compartment.

Inject the water into the test compartment. If necessary remove the remaining air within the compartment.



During an agreed period of time, without removing the needle - withdraw and re-inject the solution back into the patch, at least four times.



At the end of the period 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.