

# BTK-220

Bresle Test Kit



The presence of salts on the substrate can lead to the premature failure of the coating system. Most high performance coating systems require that the substrate be cleaned to a recognized standard before the application of the coating.

Once the bresle patch is applied to the surface to be tested distilled water can be analysed using the conductivity meter before being injected into and then extracted from the bresle patch the required amount of times before being analysed again in the conductivity meter. The difference in the two readings show the conductivity of the water, by multiplying the result by 0.4 the presence of salts expressed in parts per million is shown.

The BTK-220 Bresle Test Kit includes all the necessary equipment for assessing the level of soluble salts on blast-cleaned surfaces prior to coating. Inside the Bresle Test Kit is a conductivity gauge used for the assessment of soluble salt ions as chlorides, sulphates and nitrates. The Bresle Test Kit complies with the ISO 8502-6 and ISO 8502-9 standards, describing the Bresle Method, that state that the conductivity is mainly directly proportional to the concentration of dissolved salts in the solution.

### **Contamination of blast-media**

The Bresle Kit is also suitable to determine the contamination of blast-media. This prevents the dissolved salts in the recycled abrasive contaminating the surface being cleaned.

### **Features**

Unique Direct Sampling Procedure (DSP) to ensure high speed and accuracy. Up to 60 times more accurate than other test kits available.

### **Application areas**

Marine coatings, protective coatings, pipeline coatings.

Standards: According to ISO8502-6, ISO8502-9.

## BRESLE TEST KIT SPECIFICATIONS

Conductivity Meter Range	0,1 – 20.000 mg/m <sup>2</sup> (with DSP method)
Conductivity Meter Resolution	0,1 mg/m <sup>2</sup> (with DSP method)
Conductivity Meter Accuracy	1%
Patches supplied	25
Temperature range	0 – 50 °C
ATC	0 – 50 °C
Normalization temperature	25 °C
Auto off	8.5 minutes after last key pressed
IP class	IP67
Auto calibration	at 84 µS/cm
Patch area	12,50 cm <sup>2</sup>
Patch type	Latex membrane

## ORDERING INFORMATION

Part no.	Description
7862200	BTK-220 Bresle Test Kit, complete (includes spares as shown below)
	<b>Spares</b>
7862210	Bresle patches (pack of 25)
7862220	Digital Conductivity Meter (waterproof)
7862221	Cleansing solution 50ml
7862222	Calibration solution 84 µS, 50ml
7862223	Cup 25ml
7862230	Syringe incl. needle 2,5ml
7862231	Syringe without needle 20ml
7862232	Needle
7862240	Deionised water 200ml
	<b>Optional</b>
7862211	Calibration Certificate for BTK-220
7862212	ISO 17025 approved certificate of patches
7862213	Bresle area mask magnet
	<b>On request</b>
	Beaker for testing of blast media 100ml

### Standard delivery includes

- Digital conductivity meter
- Bresle patches 25 pcs.
- Cleansing solution 50ml / Calibration solution 84 µS 50ml / Deionised water 200ml
- Cups, Syringes and needle
- Instruction manual

### Special care

- Always clean the instrument after use and keep the instrument in its case when not in use.
- Depending on the frequency of use, a thin film may occur on the probe. Use a clean cotton swap and cleansing solution to remove this.

### Related Literature

LT9000E	AIE Airblast Inspection Equipment - The Guide
LT9200E	Data Sheet - SSM-200 Soluble Salt Meter
LT9260E	Data Sheet - RGB-260 Rust Grade Book
MN9200E	Instruction Manual - SSM-200 Soluble Salt Meter
MN9220E	Instruction Manual - BTK-220 Bresle Test Kit