

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 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, paint production, surface finishing, powder coating.

Standards: ISO 8502-6, ISO 8502-9, ISO 11127-6.

BRESLE TEST KIT SPECIFICATIONS

Conductivity Meter Range	0,1 – 20.000 mg/m ² (with DSP method)
Conductivity Meter Resolution	0,1 mg/m ² (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 ²
Patch type	Latex membrane

ORDERING INFORMATION

Part no.	Description
7862200	BTK-220 Bresle Test Kit, complete (includes spares as shown below)
	Spares
7862210	Bresle patches (pack of 25)
7862220	Digital conductivity meter (waterproof)
7862221	Cleansing solution 50ml
7862222	Calibration solution 84 µS, 50ml
7862223	Cup 30ml (set of 25)
7862230	Syringe incl. needle 3,0ml
7862240	Deionised water 200ml
	Optional
7862205	Calibration Certificate for BTK-220
7862212	Patches Conformance Certificate for BTK-220
7862213	Bresle area mask magnet
	On request
	Beaker for testing of blast media 100ml

Standard delivery includes

- Case
- Digital conductivity meter
- 25 bresle patches
- Distilled water
- Calibration and cleansing solutions
- Cups and syringes
- Pictorial 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.
- Always keep the instrument in its case when not in use.
- We recommend annual calibration.

Related Literature

MN9220E	Instruction Manual - BTK-220 Bresle Test Kit
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