

Elcometer 130 SCM400 Salt Contamination Meter



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At a glance

- A field based gauge for measuring the level of soluble salts on a surface - with laboratory type accuracy.
- Fast and very easy to use.
- Test papers can be re-moistened to obtain a similar test result - ideal for confirming tests for proof of inspection and its purposes.

Elcometer 130 SCM400 Salt Contamination Meter

Soluble salts on a surface are absorbed into a special filter paper soaked with distilled water. The Elcometer 130 measures the conductivity of wet paper, calculates the salt level and displays it in μgcm^{-2} .

- Suitable for a wide range of shapes, orientations, surfaces and finishes
- Quick and simple to use
- Battery operated and portable
- Confirms adequate cleaning of surfaces before coating, aiding the prevention of premature coating failure
- Shows salt build-up on vulnerable surfaces, which can be treated to increase the lifetime of a coating
- Test papers can be re-moistened and a similar test result can be achieved - ideal for proof and ISO requirements
- Accurate
- Repeatable
- Reproducible

Surface Cleanliness

Surface contamination from salts such as chlorides, sulphates and nitrates have been shown to lead to blistering of organic coatings, particularly in immersion conditions.

It is not sufficient to measure the cleanliness of the substrate. In a multi-layer coating process, it is necessary to monitor and record the cleanliness of each layer prior to applying the next coating. When using amine cured epoxy coatings, for example, in low ambient temperatures or in high humidity, a surface oiliness or exudate may cause inter-coating adhesion failure.

Range	0.1 - 20 $\mu\text{g cm}^{-2}$
Resolution	0.1 $\mu\text{g cm}^{-2}$
Accuracy	$\pm 1\%$
Operating Range	5 to 40°C (41 to 104°F) <80% RH
Power Supply	9V Battery 6LR61 (MN1604)
Sampling Time	2 minutes
Sampling Size	11cm (4.3") circle or part of this
Weight	1.5kg (3.3lbs)
Dimensions (nominal) Instrument Only	200 x 190 x 60mm (7.9 x 7.5 x 2.4")
Number of tests before battery change	approximately 500 measurements



Model	Description	Part Number
Elcometer 130	Elcometer 130 Salt Contamination Meter	E130----1
Accessories	250ml Pure Water	T13011344
	100 High Purity Sample Papers	T1304469-
	Medical Wipes (1 Pack)	T1304472-
Packing List	Elcometer 130 SCM400 Salt Contamination Meter, Carry Case and nylon Shoulder Strap, High Purity Sample Papers (pack of 100), Plastic Tweezers (2 off), Self-Seal PVC Bags (pack of 20), Replacement Pressure Support Pads (pack of 8), Disposable Gloves (pack of 20) in nylon holdall, Pack of Tissues, 9V Alkaline Battery, 2ml Syringes (3 off), Bottle of High Purity Water (250ml), Plastic Sample Bottle & Operating Instructions	