

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, having measured the resistivity of the paper, calculates and displays the salt level in $\mu\text{g cm}^{-2}$.

- Suitable for a wide range of shapes, orientations and 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 coatings
- Test papers can be re-moistened and a similar test result can be achieved - ideal for proof and ISO requirements

Features

- Fast
- Accurate
- Repeatable
- Reproduceable

Shipping List

The Elcometer 130 is supplied in a convenient light weight carry case and includes:

- Elcometer 130 SCM
- 100 x high purity sample papers
- 20 x PVC bags
- 3 x 2ml syringes
- 8 x replacement plate support pads
- plastic tweezer
- spare battery
- disposable gloves
- tissues
- operating instructions



Specifications

Range	0.1 - 20 $\mu\text{g/cm}^2$	Sampling Time	2 mins
Resolution	0.1 $\mu\text{g/cm}^2$	Sampling Size	11 cm circle or part of this
Operating Range	5 - 40°C	Weight	1.5kg
	<80% RH	Dimensions (nominal - instrument only)	200 x 190 x 60mm
Power Supply	9V battery 6LR61 [MN1604]	Number of tests before battery change	+/- 500 measurements

Test Method

The Elcometer 130 has been designed to be very repeatable and accurate. In order to achieve this accurate result, as with all salt test equipment, care should be taken to avoid contamination by touch.

1. Using the gloves and plastic tweezers, remove one of the sample paper discs
2. Fill one of the syringes with distilled water and carefully allow the sample paper to absorb the correct amount of water (as described in the operating instructions)
3. Place the water filled sample paper onto the substrate under test, using the tweezers to gently push the paper into the metal profile.
4. Press the green button on the Elcometer 130 and wait for the alarm to indicate that the testing time is complete
5. Using the tweezers, place the sample paper onto the central section of the Elcometer 130 (See Pic), close the lid and press the green button again
6. Read the salt value on the display.



Place the sample paper onto the test area depicted by the red circle in the picture.