

# Elcometer 134 CSN Test Kit – Chlorides, Sulphates & Nitrates



Elcometer 134 CSN Test Kit – Chlorides, Sulphates & Nitrates

**At a glance**

- A complete on site test kit which can be used to accurately measure surface chloride, sulphate and nitrate ions from only one test sample.
- Results are in ppm &  $\mu\text{gcm}^{-2}$  - no complicated calculations needed.

**Elcometer 134 CSN Test Kit – Chlorides, Sulphates & Nitrates**

Designed to accurately measure surface chloride, sulphate and nitrate ions in minutes, the Elcometer 134 ‘CSN Salts’ offers the User the ability of trouble-free testing in the field.

- All the components of the Elcometer CSN Test Kit are pre-measured and pre-dosed for complete accuracy.
- All results are recorded in parts per million (ppm) - no complicated calculations needed to transfer these to  $\mu\text{gcm}^{-2}$  as the tests of the Elcometer 134 CSN are designed to be on a ratio of 1:1

Supplied in an ABS plastic carry case for easy portability around the site, each field kit is supplied with full instructions attached to the inside lid, together with:

- 5 x Chloride Tests
- 5 x Tests, together with 1 x Colorimeter, for Sulphate Testing
- 5 x Nitrate Test Strips
- 5 x Syringes (without needles)

**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.

All Elcometer 134CSN consumables can be replenished.

Can be used in accordance with:	
ISO 8502-5	ISO 8502-11:2006
SSPC Guide 15	

Model	Description	Part Number
Elcometer 134	CSN Elcometer 134 Chloride, Sulphate, Nitrate Test Kit – 5 tests	E134-CSN
Accessories	1 set of 5 Nitrate Tests	T134---C
	Complete Refill Kit – fully refill your test kit with 5 tests for each ion	T134-KIT

## Related products



Elcometer 130

This very easy to use salt contamination meter measures the level of salts on the surface. Soluble salts on a surface are absorbed into a special filter paper soaked with distilled water. The Elcometer 130 measures the conductivity of the wet paper, calculates the salt level and displays it in  $\mu\text{g}/\text{cm}^2$ .



Elcometer 138

Well known in the protective coatings field, the Bresle Patch is one of the most popular tests for soluble salts. A patch is adhered to the substrate and the soluble salts are dissolved into distilled water using a rinsing motion caused by a syringe. A conductivity meter is then used to calculate the salt level.



Elcometer 134A

Chlorides deposited on a surface by contaminated abrasive during blasting can cause a coating to fail prematurely. Contamination can build up, particularly if the blast media is recycled several times. The Elcometer 134A is an easy to use, accurate field test which determines if your abrasive is contaminated with chlorides and thus prevent costly surface-related failures.



Elcometer 134S

Chloride salts left on the surface before the first coat is applied can result in the coating system being forced off the surface by corrosion or blistering before the full life of the coating has been reached. Salts are extracted using a rubber tube and the level of chloride on the surface is identified using a simple glass tube which identifies the concentration level.



Elcometer 134W

Coatings can fail due to chlorides being deposited on a surface by contaminated water during pressure washing, UHP water jetting or wet abrasive blasting. The Elcometer 134W is an easy to use, accurate, field based test which determines if your wash water is contaminated with chlorides and thus prevent costly surface coating failures.

### ENGLAND

Elcometer Limited  
Edge Lane  
Manchester M43 6BU

Tel: +44 (0)161 371 6000  
Fax: +44 (0)161 371 6010  
e-mail: sales@elcometer.com  
www.elcometer.com

### USA

Elcometer Inc  
1893 Rochester Industrial Drive  
Rochester Hills Michigan 48309

Tel: +1 248 650 0500  
Toll Free: 800 521 0635  
Fax: +1 248 650 0501  
e-mail: inc@elcometer.com  
www.elcometer.com

### ASIA & THE FAR EAST

Elcometer (Asia) Pte Ltd  
896 Dunearn Rd  
Sime Darby Centre #3-09  
Singapore 589472,  
Republic of Singapore

Tel: +65 6462 2822  
Fax: +65 6462 2860  
e-mail: asia@elcometer.com  
www.elcometer.com

### BELGIUM

Elcometer SA  
Rue Vallée 13  
B-4681 Hermalle /s Argenteau

Tel: +32 (0)4 379 96 10  
Fax: +32 (0)4 374 06 03  
e-mail: be\_info@elcometer.be  
www.elcometer.be

### NETHERLANDS

Elcometer NL  
Newtonlaan 115  
3584 BH Utrecht

Tel: +31 (0)30 210 7005  
Fax: +31 (0)30 210 6666  
e-mail: nl\_info@elcometer.com  
www.elcometer.com

### FRANCE

Elcometer Sarl  
97 Route de Chécý  
45430 BOU

Tel: +33 (0)2 38 86 33 44  
Fax: +33 (0)2 38 91 37 66  
e-mail: fr\_info@elcometer.fr  
www.elcometer.fr

### GERMANY

Elcometer Instruments GmbH  
Ulmer Strasse 68  
D-73431 Aalen

Tel: +49 (0)7361 52806 0  
Fax: +49 (0)7361 52806 77  
e-mail: de\_info@elcometer.de  
www.elcometer.de