

elcometer®
inspection equipment



Elcometer 130
Salt Contamination Meter

Elcometer 130

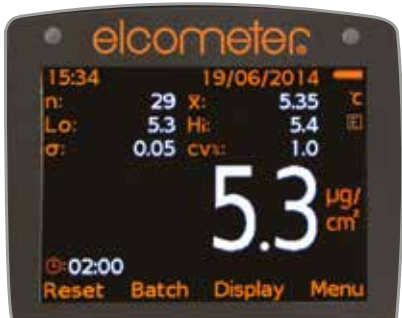
STANDARDS:
SSPC Guide 15



Large colour LCD screen displays readings in µg/cm², ppm, µS/cm, mS/cm, % salinity or mg/m²



On-screen run graph shows last 20 measurement values



View up to 8 user selectable statistics on-screen

Salt Contamination Meter

The Elcometer 130 quickly and accurately measures the level of soluble salts on surfaces nearly 5 times faster than Bresle equivalent test methods.

- Fast reading rate allows multiple tests to be completed efficiently
- Automatic temperature compensation ensures accurate results
- Pressure plate ensures a constant and uniform pressure to paper
- Fully portable hand-held, ergonomic design ideal for use in the field
- Dust and water resistant rugged design equivalent to IP64
- USB and Bluetooth® data output to ElcoMaster® software

Elcometer 130

Measures on flat and convex surfaces

compatible with ElcoMaster

Suitable for use in Cloud Computing

available with Bluetooth wireless technology

- Non-oxidising gold plated contacts ensures lifetime accuracy
- Stores up to 100,000 readings in 1,000 alpha numeric batches



Android™

Made for iPod iPhone iPad

Salt Contamination Meter

Elcometer 130

Salt Contamination Meter

Designed with you in mind

User Friendly

- Large buttons ideal for gloved hands
- Easy to use menus in multiple languages
- High reading limit indicator
- Factory calibrated for immediate use

Accurate

- Conductivity measurement to $\pm 1\%$
- Can be used in accordance with National and International Standards
- Automatic temperature compensation ensures repeatable, accurate results
- Calibration verification tiles
- Trend and batch readings graph formats for instant on-screen analysis

Reliable

- Repeatable and reproducible measurements
- 2 year gauge warranty
- Supplied with fully traceable Test Certificates
- Batch & individual readings are stored with date and time stamp

Tough

- Heavy duty, impact resistant, dust and waterproof design equivalent to IP64
- Wipe clean sealed unit ideal for harsh environments
- Scratch and solvent resistant display

Efficient

- Instant readings allows multiple tests to be completed efficiently
- Alpha numeric batch identification
- Compatible with ElcoMaster® and ElcoMaster® Mobile App
- Calibration offset allows the use of non-pure water up to $2\mu\text{g}/\text{cm}^2$

Powerful

- Measuring range up to $50\mu\text{g}/\text{cm}^2$ (3000ppm)
- USB and Bluetooth® data output to iPhone* or Android™ devices
- Stores up to 100,000 readings in 1,000 batches
- Soluble salt and conductivity meter in one gauge



Calibration Verification Tiles available for verifying the accuracy of the gauge



Supplied in a plastic transit case

*Compatible with iPod, iPhone and iPad.

Salt Contamination Meter

Elcometer 130

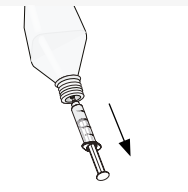
Product Features		■ Standard	□ Optional
		Model S	Model T
Repeatable & reproducible measurements		■	■
Easy to use menu structure; <i>in 30+ languages</i>		■	■
Tough, impact, waterproof & dust resistant; <i>equivalent to IP64</i>		■	■
Bright colour screen; <i>with permanent back light</i>		■	■
Scratch & solvent resistant display; <i>2.4" (6cm) TFT</i>		■	■
2 year gauge warranty*		■	■
USB power supply; <i>via PC</i>		■	■
Calibration certificate		■	■
Calibration verification mode (<i>with optional certified calibration tiles</i>)		■	■
Ambient light sensor; <i>with adjustable auto brightness</i>		■	■
Emergency light mode		■	■
Magnetic & tripod mounting points		■	■
Gauge software updates; <i>via ElcoMaster® software</i>		■	■
Data output			
USB; <i>to computer</i>		■	■
Bluetooth®; <i>to computer, Android™ & iOS+ devices</i>			■
ElcoMaster® software & USB cable		□	■
On screen statistics			■
Number of readings (<i>n</i>); Mean (average) (\bar{x}) ; Standard deviation (σ); Highest reading (<i>Hi</i>); Lowest reading (<i>Lo</i>); Coefficient of variation(CV%); Number of readings above high limit ($\frac{\sum n}{n}$)			■
Gauge memory			■
Number of readings			100,000
Number of batches			1,000
Measurement units & range	$\mu\text{g}/\text{cm}^2$ ppm $\mu\text{S}/\text{cm}$ mS/cm % Salinity mg/m ²	0-25	0-50 0-3000 0-6000 0-6 0-0.3 0-500
Measurement mode			
Surface cleanliness		■	■
Conductivity			■
Calibration offset mode		■	■
Automatic temperature compensation		■	■
Individual reading stored with date & time			■
Plastic transit case		■	■
Alpha-numeric batch names; <i>user definable on the gauge</i>			■
Fixed batch size mode; <i>with batch linking</i>			■
Delete last reading			■
Limits; <i>user definable audible & visual pass/fail warnings</i>			■
Review, copy, clear & delete batches & calibration settings			■
Trend graph; <i>last 20 readings</i>			■
Batch review graph			■
Analogue bar graph			■

*The Elcometer 130 is extendable within 60 days from date of purchase, free of charge, to 2 years via www.elcometer.com

* Visit www.elcometer.com/sdk to find out how to integrate Elcometer's MFi certified products to your App.

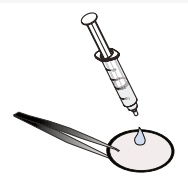
Elcometer 130 Salt Contamination Meter

How to use a Salt Contamination Meter



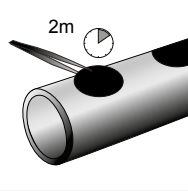
Fill the syringe with 1.6 ml of high purity water.

Note: Non-pure water (up to 2µg/cm²) can be automatically offset with the gauge.



Using tweezers, remove a filter paper from the pack and place it on the cleaned, non labelled side of the magnetic disc supplied.

Disperse the water from the syringe, evenly across the whole of the filter paper and remove any bubbles from under the paper.



Place the magnetic disc, with wetted paper face down on to the area under test, pressing firmly into any contours or irregularities and start the 2 minute timer on the gauge.

Whilst waiting for the sample time to elapse, additional tests can be prepared.

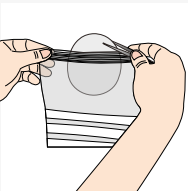


After 2 minutes, carefully remove the filter paper and magnetic disc from the test surface and place on to the measurement electrodes.



Close the lid, ensuring that the magnetic catch is fully engaged.

The reading will automatically be displayed and stored into memory together with date and time.



Place the filter paper in a resealable bag (supplied), if required for further analysis.

Technical Specification

Model S	Model T	Description	Certificate
E130-S	E130-T	Elcometer 130 Salt Contamination Meter	
E130-SC	E130-TC	Elcometer 130 Certified Salt Contamination Meter	●
		Model S	Model T
Measurement Range	0-25µg/cm²	0-50µg/cm²; 0-500mg/m²; 0-6000µS/cm; 0-6mS/cm; 0-3000ppm; 0-0.3% Salinity	
Resolution	0.1µg/cm²	0.1µg/cm²; 1mg/m² 1µS/cm; 0.001mS/cm 1ppm; 0.0001% Salinity	
Measurement Accuracy	±1% of reading ±0.1µg/cm²	Operating Range	5°C - 40°C (41°F - 104°F)
Power Supply	4 x AA batteries (rechargeable batteries can also be used), or power via USB		
Number of Tests	Approximately 4,000 measurements before battery replacement		
Sample Time	2 minutes	Sampling Size	110mm (4.3") diameter circle
Dimensions	250 x 145 x 50mm (9.8 x 5.7 x 1.9")	Weight	780g (1.72lb)
Packing List	Elcometer 130 Salt Contamination Meter, 100 x high purity test papers, 250ml (8.5fl oz) pure water, 20 x PVC storage bags, disposable gloves, sensor wipes, 3 x 3ml (0.1fl oz) syringes, 2 x plastic tweezers, 4 x AA batteries, shoulder strap, plastic transit case, test certificate and operating instructions, USB cable (T), ElcoMaster® software (T)		

Accessories

T13023980	Calibration Verification Tiles, Set of 3	T13024094	Box of 100 High Purity Test Papers
T13024091	3ml / 0.1fl oz Syringe (x3)	T13024092	Box of 20 Disposable Vinyl Gloves
T99922341	Pack of 10 Display Screen Protectors	T13024098	Plastic Tweezers (x2)
T13024093	Box of 20 Self Seal Polythene Bags	T13024087	Box of 72 Sensor Wipes
T99911344	Pure Water - 250ml (8.5fl oz) Bottle with 3ml syringe	T13025964	Magnetic Discs (x3)
		T99921325	USB Cable

● Calibration certificate supplied as standard

Total Quality Assurance



Professional inspection reports provide a competitive advantage in today's industrial environment.

The new ElcoMaster® is a fast, easy to use software solution for all your reporting requirements.

Using ElcoMaster® wizard, connecting a gauge to download data is fast and easy

ElcoMaster® allows you to download all your inspection measurements - from any Elcometer gauge

Using ElcoMaster's® inbuilt Report Designer, readings can quickly be displayed on an image or drawing

Suitable for use in Cloud Computing

Data can be stored in a simple file tree, by project and by inspection type. Data is clearly displayed in tabular format

Readings from different Elcometer gauges can be printed on the same report - and can be quickly inserted into standard report tables

ElcoMaster® gives you the power to review your data and produce professional reports quickly and easily. Internal wizards guide you through each step, from connecting a gauge to generating a report.

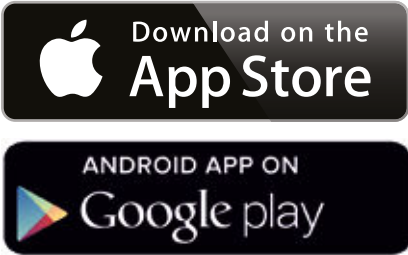
Features:

- Produce and combine measurements from any Elcometer inspection gauge in one report
- Add photographs, limits & notes to your reports
- Export to Excel or other spreadsheet formats
- Print, email or generate .pdf reports
- Design your own reports and drag & drop readings or statistics onto the report
- Combine multiple batches into one report
- Communicate and link with ElcoMaster® Mobile
- Automatic upgrade notifications inform and allow users to upgrade their Elcometer gauges & ElcoMaster® software in the field

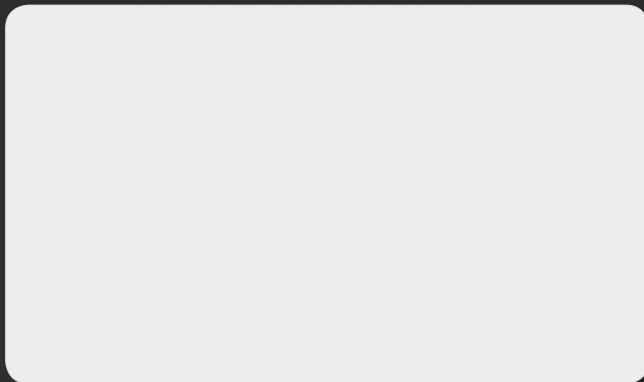
ElcoMaster® Mobile for iPhone and Android™ allows users to:

- Transfer live readings or batches from Elcometer Bluetooth® gauges to mobile phones, tablets or PC's
- Collect data via collection image templates, identifying where each reading should be taken¹
- Provides instant data analysis remotely and emails key data, including readings, notes & photographs, etc. - generating .pdf reports² from the field to the office

For more information please visit our website at elcometer.com.



¹ Available on Android only ² Available on iOS devices only



elcometer®
www.elcometer.com

ENGLAND

Elcometer Limited
Manchester M43 6BU
Tel: +44 (0)161 371 6000
Fax: +44 (0)161 371 6010
sales@elcometer.com

BELGIUM

Elcometer SA
B-4681 Hermalle /s Argenteau
Tel: +32 (0)4 379 96 10
Fax: +32 (0)4 374 06 03
be_info@elcometer.com

FRANCE

Elcometer Sarl
45380 La Chapelle-Saint-Mesmin
Tel: +33 (0)2 38 86 33 44
Fax: +33 (0)2 38 91 37 66
fr_info@elcometer.com

GERMANY

Elcometer Instruments GmbH
D-73431 Aalen
Tel: +49(0)7361 52806 0
Fax: +49(0)7361 52806 77
de_info@elcometer.de

THE NETHERLANDS

Elcometer NL
Euclideslaan 251
3584 BV Utrecht
Tel: +31 (0)30 259 1818
Fax: +31 (0)30 210 6666
nl_info@elcometer.com

JAPAN

Elcometer KK
Saint Paul Building,
6F, 5-14-11, Higashiooi,
Shinagawa-ku, Tokyo 140-0011
Tel: +81-(0)3-6869-0770
Fax: +81-(0)3-6433-1220
jp_info@elcometer.com

REPUBLIC OF SINGAPORE

Elcometer (Asia) Pte Ltd
Singapore 589472,
Tel: +65 6462 2822
Fax: +65 6462 2860
asia@elcometer.com

USA

MICHIGAN
Elcometer Inc
Rochester Hills Michigan 48309
Tel: +1 248 650 0500
Toll Free: 800 521 0635
Fax: +1 248 650 0501
inc@elcometer.com

TEXAS

Elcometer of Houston
1146 Sheffield, Unit D,
Houston, TX 77015
Tel: +1 713 450 0631
Toll Free: 800 521 0635
Fax: +1 713 450 0632
inc@elcometer.com

Elcometer 130 Model T: Made for iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPad Air 2, iPad mini 3, iPad Air, iPad mini 2, iPad (3rd and 4th generation), iPad mini, iPad 2, and iPod touch (5th generation). "Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

iPad, iPhone, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a trademark of Apple Inc., registered in the U.S. and other countries. Suitable for mobile devices running Android software version 2.1 and upwards. Android™ and Google Play are trademarks of Google Inc. Elcometer and ElcoMaster® are registered trademarks of Elcometer Limited. All other trademarks acknowledged.

Due to our policy of continuous improvement, Elcometer Limited reserves the right to change specifications without notice.

© Elcometer Limited, 2015. All rights reserved. No part of this document may be reproduced, transmitted, stored (in a retrieval system or otherwise), or translated into any language, in any form, or by any means, without the prior written permission of Elcometer Limited.