

elcometer®
inspection equipment



Elcometer 130
Salt Contamination Meter

Surface Preparation - Cleanliness

Elcometer 130

Salt Contamination Meter

The Elcometer 130 quickly and accurately measures the level of soluble salts on surfaces over 4 times faster than Bresle equivalent test methods.

STANDARDS:
SSPC Guide 15



Automatic temperature compensation ensures accurate results

Fast reading rate allows multiple tests to be completed efficiently

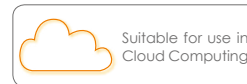
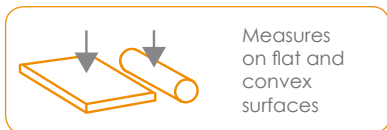
Pressure plate ensures a constant and uniform pressure to paper

Non-oxidising gold plated contacts ensures lifetime accuracy



Dust and water resistant rugged design equivalent to IP64

Stores up to 100,000 readings in 1,000 alpha numeric batches



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.

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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



Calibration Verification Tiles available for verifying the accuracy of the gauge

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 distilled 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



Supplied in a robust carry case

* Elcometer 130 gauges are supplied with a one year warranty against manufacturing defects. The warranty can be extended to two years via www.elcometer.com.

†Compatible with iPod, iPhone and iPad.

Elcometer 130

Salt Contamination Meter

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(<i>CV%</i>); Number of readings above high limit ($\frac{n}{n_1}$)			■
Gauge memory			■
Number of readings			100,000
Number of batches			1,000
Measurement units & range	<ul style="list-style-type: none"> µg/cm² ppm µS/cm mS/cm % Salinity mg/m² 	0-25	<ul style="list-style-type: none"> 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			■

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

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Technical Specification

C

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/cm ²	0-50µg/cm ² ; 0-500mg/m ² ; 0-6000µS/cm; 0-6mS/cm; 0-3000ppm; 0-0.3% Salinity
Resolution		0.1µg/cm ²	0.1µg/cm ² ; 1mg/m ² 1µS/cm; 0.001mS/cm 1ppm; 0.0001% Salinity
Measurement Accuracy	±1% of reading ±0.1µg/cm ²	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 distilled 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
T13024091	3ml / 0.1fl oz Syringe (x3)
T99922341	Pack of 10 Display Screen Protectors
T13024093	Box of 20 Self Seal Polythene Bags
T99911344	Pure Distilled Water - 250ml (8.5fl oz) Bottle with 3ml syringe
T13024094	Box of 100 High Purity Test Papers
T13024092	Box of 20 Disposable Vinyl Gloves
T13024098	Plastic Tweezers (x2)
T13024087	Box of 72 Sensor Wipes
T13025964	Magnetic Discs (x3)
T99921325	USB Cable

● Calibration certificate supplied as standard



elcometer[®]
www.elcometer.com

elcometer.be • elcometer.fr • elcometer.de • elcometer.nl
elcometer.jp • elcometer.ae • elcometer.com.sg

ENGLAND

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

BELGIUM

Elcometer SA
Tel: +32 (0)4 379 96 10
Fax: +32 (0)4 374 06 03
be_info@elcometer.com
www.elcometer.be

FRANCE

Elcometer Sarl
Tel: +33 (0)2 38 86 33 44
Fax: +33 (0)2 38 91 37 66
fr_info@elcometer.com
www.elcometer.fr

GERMANY

Elcometer Instruments GmbH
Tel: +49(0)7361 52806 0
Fax: +49(0)7361 52806 77
de_info@elcometer.com
www.elcometer.de

THE NETHERLANDS

Elcometer NL
Tel: +31 (0)30 259 1818
Fax: +31 (0)30 210 6666
nl_info@elcometer.com
www.elcometer.nl

JAPAN

Elcometer KK
Tel: +81-(0)3-6869-0770
Fax: +81-(0)3-6433-1220
jp_info@elcometer.com
www.elcometer.jp

REPUBLIC OF SINGAPORE

Elcometer (Asia) Pte Ltd
Tel: +65 6462 2822
Fax: +65 6462 2860
asia@elcometer.com
www.elcometer.com.sg

UNITED ARAB EMIRATES

EL Inspection & Blasting
Equipment LLC
Tel: +971 4 295 0191
Fax: +971 4 295 0192
uae_sales@elcometer.com
www.elcometer.ae

USA

MICHIGAN

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

TEXAS

Elcometer of Houston
Tel: +1 713 450 0631
Toll Free: 800 521 0635
Fax: +1 713 450 0632
inc@elcometer.com
www.elcometer.com

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