elcometer®

inspection equipment

DFT
Fineness of
Grid, Density
Flow & Dip Cups
Rotational Viscosity
Flash Point, Impact Testers
Washability & Abrasion Testers
Film Applicators, Bend Testers, Gloss
Thickness Gauges, Surface Profile, Wet Film
Dry Film, Coating Thickness Gauges
Climatic Testing, Adhesion, Pinhole Testers
Porosity, Software, Dispersion, Inspection Kits
Zahn Cups, Salt Contamination, Haze
Drying Time Recorders, Washability, Abrasion
Scratch & Hardness, Elasticity & Deformation
Surface Cleanliness, DOI Gloss Meters
Colour, Moisture, Dewpoint Meters
Cross-Hatch, Oven Recorders
Surface Contamination
ElcoMaster™

Elcometer 130
salt contamination meter

elcometer®

Elcometer 130

Salt Contamination Meter

The Elcometer 130 quickly and accurately measures the level of soluble salts on surfaces.

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

new

On-screen run graph shows last 20 measurement values

Offset calibration allows use of non-pure water

Fast reading rate allows multiple tests to be completed efficiently

Pressure plate ensures a constant and uniform pressure to paper

Automatic detection of paper size and automatic adjustment of reading value

USB and Bluetooth® data output to ElcoMaster™ 2.0 software

Dust and water resistant rugged design equivalent to IP64

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Salt Contamination Meter

Elcometer 130

Measures on flat and curved surfaces

supplied with
ElcoMaster™ 2.0
data management software
see page 7

compatible with
ElcoMaster™
mobile app
see page 7

available with
Bluetooth®
wireless technology
see page 7

Suitable for use in Cloud Computing
see page 7

Automatic temperature compensation ensures accurate results

Non-oxidising gold plated contacts ensures lifetime accuracy

Stores up to 150,000 readings in 2,500 alpha numeric batches

new

WATER FOR LABORATORY USE

EEC LABEL
EEC No 232 – 658 – 1
UN No NR

Code
23.1040.66

Batch No
8119/01Y

Quantity
250 ML

Fully portable hand-held, ergonomic design ideal for use in the field

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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 and low reading limit indicators
- Factory calibrated for immediate use

Accurate

- Conductivity measurement to ±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, temperature and size of test paper

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™ 2.0 and ElcoMaster™ Mobile App
- Powersave mode with 'tap awake' feature
- Calibration offset allows the use of non-pure water up to 2µg/cm².

Powerful

- Measuring range up to 50µg/cm² (3000ppm)
- USB and Bluetooth® data output
- Stores up to 150,000 readings in 2,500 batches
- Soluble salt and conductivity meter in one gauge

Calibration Verification Tiles available for verifying the accuracy of the gauge
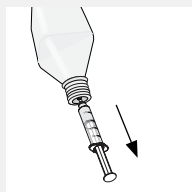
Supplied in a robust carry case

Product Features	■ Standard	□ Optional
	Model S	Model T
Repeatable & reproducible measurements	■	■
Easy to use menu structure; *in 30+ languages*	■	■
Tough, impact, waterproof & dust resistant; *equivalent to IP64*	■	■
Bright colour screen; *with permanent back light*	■	■
Scratch & solvent resistant display; *2.4" (6cm) TFT*	■	■
2 year gauge warranty	■	■
USB power supply; *via PC*	■	■
Calibration certificate	■	■
Calibration verification mode *(with optional certified calibration tiles)*	■	■
Ambient light sensor; *with adjustable auto brightness*	■	■
Emergency light mode	■	■
Magnetic & tripod mounting points	■	■
Automatic paper size detection (full, half & quarter size)	■	■
Gauge software updates; *via ElcoMaster™ 2.0 software*	■	■
Data output	USB	USB & Bluetooth®
On screen statistics		■
Number of readings, *η;* Mean (average), $\bar{x}$ *;* Standard deviation, *σ;* Highest reading, *hi;* Lowest reading, *lo;* Coefficient of variation, *COV;* Number of readings above high limit		■
Gauge memory		■
Number of readings		150,000
Number of batches		2,500
Measurement units & range µg/cm² ppm µS/cm mS/cm % Salinity mg/m²	0-25	0-50 0-3000 0-6000 0-6m 0-0.3 0-500
Measurement mode		
Surface cleanliness	■	■
Conductivity		■
Calibration offset mode		■
Automatic temperature compensation		■
ElcoMaster™ 2.0 software & USB cable	□	■
Individual reading stored with date, time, temperature and paper size		■
Plastic transit case	■	■
Alpha-numeric batch names; *user definable on the gauge*		■
Fixed batch size mode; *with batch linking*		■
Delete last reading		■
Limits; *user definable audible & visual pass/fail warnings*		■
Review, copy, clear & delete batches & calibration settings		■
Trend graph; *last 20 readings*		■
Batch review graph		■
Analogue bar graph		■

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Elcometer 130   Salt Contamination Meter

How to use a Salt Contamination Meter
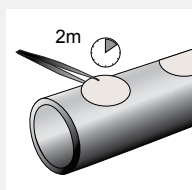
Fill the syringe with 1.6 ml of high purity water.

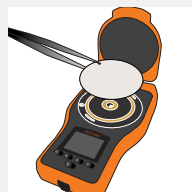Note: Non-pure water (up to 2µg/cm²) can be automatically offset with the gauge.

Eject the 1.6ml on to a clean unused sample paper, taking care to retain all the water on the paper.

2m

Place wetted paper on to the area under test, pressing firmly into contours and irregularities to remove any entrapped air. Start the timer on the gauge.

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

After 2 minutes, remove the paper from the surface and place it on to the gold-plated electrodes.

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

The reading will automatically be displayed and stored into memory together with paper size, temperature, date and time.

Half size or quarter size papers can be used for testing on small surfaces.

Paper size is automatically detected by the Elcometer 130 and the reading calculated automatically.

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/cm²	0-50µg/cm²; 0-500mg/m²; 0-6000µS/cm; 0-6mS/cm; 0-3000ppm; 0-0.3% Salinity
Resolution	0-10µg/cm² 10-25µg/cm² 25+µg/cm²	0.1µg/cm² 0.2µg/cm²	0.1µg/cm² 0.2µg/cm² 0.5µg/cm²
Measurement Accuracy	±1% of reading ±0.1µg/cm²		
Operating Range	5°C - 50°C (41°F - 122°F)		
Power Supply	4 x AA dry cell batteries (rechargeable batteries can also be used), or recharge via USB		
Number of Tests	Approximately 4,000 measurements before recharge		
Sample Time	2 minutes	Sampling Size	100mm (4.3") circle, or part of
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 2.5ml (0.08fl oz) syringes, 2 x plastic tweezers, 4 x AA batteries, shoulder strap, carry case, test certificate and operating instructions, USB cable (T), ElcoMaster™ 2.0 software (T)		

Accessories

T13023980	Calibration Verification Tiles, Set of 3	T13024094	Box of 100 High Purity Test Papers
T13024091	2.5ml / 0.08fl 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	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™ 2.0 is a fast, easy to use software solution for all your reporting requirements.

Using ElcoMaster™ 2.0's wizard, connecting a gauge to download data is fast and easy

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

ElcoMaster™ 2.0 allows you to download all your inspection measurements - from any Elcometer gauge

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™ 2.0

ElcoMaster™ 2.0 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™ for Android™
- Automatic upgrade notifications inform and allow users to upgrade their Elcometer gauges & ElcoMaster™ 2.0 software in the field
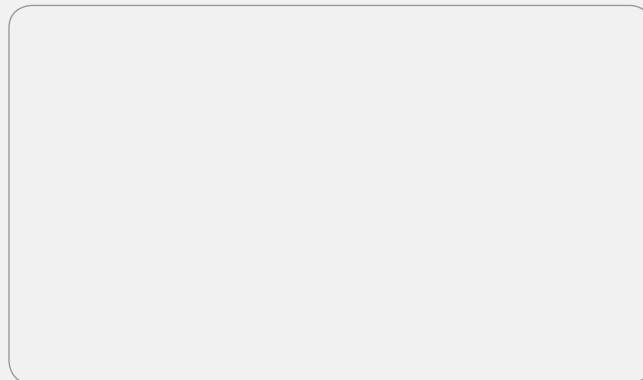
ElcoMaster™ for Android™

ElcoMaster™ for Android™ allows users to:

- Collect data via collection image templates, identifying where each reading should be taken
- Transfer live readings or batches from Elcometer Bluetooth® gauges to Android™ phones or tablet PC's
- Provides instant data analysis remotely and email key data, including readings, notes & photographs, etc. to the office from the field

For more information visit our website at elcometer.com.

Scan the QR code to download the ElcoMaster™ for Android™ Application now

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