

Elcometer 130 SSP

Soluble Salt Profiler DIGINDT.IR

The Elcometer 130 soluble salt profiler provides fast and accurate measurement of the level and density of soluble salts - over 4 times faster than other Bresle equivalent methods.



new

BRESLE EQUIVALENT
ISO 8502-9 TEST METHOD

Stores up to 3,500 sets of readings in 1,000 alpha numeric batches

Automatic temperature compensation ensures accurate results

Multi-point conductivity sensor allows the trend in conductivity to be displayed as a density map

Large colour LCD screen displays readings in $\mu\text{g}/\text{cm}^2$, ppm, $\mu\text{S}/\text{cm}$, mS/cm , % salinity or mg/m^2

Non-oxidising gold plated contacts ensure lifetime performance



- Range of measurement modes:
- Cleanliness
 - Bresle Method Equivalency
 - Elcometer 130 Equivalency
 - Conductivity



STANDARDS:
SSPC Guide 15, NSI 009-32

Made for iPod iPhone iPad

Android™

Suitable for use in Cloud Computing

2 YEAR* WARRANTY

available with Bluetooth® wireless technology

compatible with ElcoMaster.

Elcometer 130 SSP: 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.

Soluble Salt Profiler

“Four Bresle equivalent readings in 2½ minutes”

Each filter paper is the size of four Bresle patches - the Elcometer 130 Soluble Salt Profiler not only displays the individual reading, but also provides four Bresle equivalent readings in just over two minutes.

“The new Elcometer 130 SSP doesn't just measure the level of soluble salts”

In addition to soluble salt levels (cleanliness) or conductivity, the Elcometer 130 SSP carries out a detailed analysis of the test area - providing an accurate salt density profile map, pinpointing areas of high contamination outside user defined limits.

“Accurate in all environments”

This new, easy to use, Elcometer 130 SSP has automatic temperature compensation ensuring accuracy in all climatic conditions. Impure water can be offset for accurate and repeatable readings.

“Each gauge is designed to last”

Robust, durable & water resistant, the new Elcometer 130 SSP is available with a 2 year manufacturer's warranty; giving you peace of mind.

“Generate instant reports on your PC, Android™ or iOS mobile device”

The Elcometer 130 SSP wirelessly transmits readings, statistics and batches via Bluetooth® or via USB straight into an inspection application or into ElcoMaster®, Elcometer's Mobile App, for instant report generation at your desk or, using your mobile, in the field.

“Calibration verification - peace of mind”

A Calibration Verification Tile is available for verifying the accuracy of the gauge whilst out in the field and the verification date is recorded for use in reports.



Elcometer 130 SSP



Large Single Reading



Four Bresle Patch Equivalent Readings



Pass/Fail to User Defined Limits



2D Salt Density Map with High/Low Readings



3D Salt Density Profile & Peak Salt Concentration (Hi)

Elcometer 130 SSP Soluble Salt Profiler

How to use the Elcometer 130 Soluble Salt Profiler



1. Wearing clean disposable gloves (supplied), fill a syringe with precisely 1.6ml of pure distilled water.



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



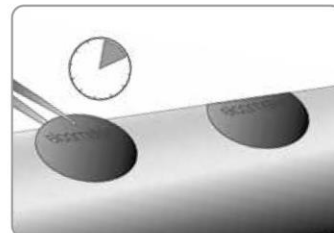
3. Disperse the water from the syringe, evenly across the whole of the filter paper and remove any bubbles from under the paper.



4. 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.



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



6. As each filter paper remains on the surface for two minutes, multiple tests can be undertaken at the same time, reducing inspection times further.



7. Close the lid, ensuring that the magnetic catch is fully engaged, the gauge will begin measuring.



8. The reading will be displayed on screen in the chosen display mode.



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

Soluble Salt Profiler

Elcometer 130 SSP

Technical Specification

| | Model SSP | |
|---|------------------------|------------------------|
| 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 tile</i>) | ■ | |
| Ambient light sensor; <i>with adjustable auto brightness</i> | ■ | |
| Emergency light mode | ■ | |
| Magnetic & tripod mounting points | ■ | |
| Data output, USB to PC & Bluetooth to PC, Android™ & iOS† devices | ■ | |
| On screen statistics | | |
| Number of readings (<i>n</i>); Mean/Average, (\bar{x}); Standard deviation (σ); Highest reading/Peak salt concentration (<i>Hi</i>); Lowest reading (<i>Lo</i>); Coefficient of variation (<i>CV%</i>); Number of readings above high limit ($\frac{\sigma}{\bar{x}}$) | ■ | |
| Gauge memory | | |
| Number of individual reading sets; <i>including salt density, pass/fail map & distribution graph</i> | 3,500 | |
| Number of batches | 1,000 | |
| Measurement units & range | | |
| Surface Cleanliness - Elcometer 130 Mode | 0-50µg/cm ² | 0-500mg/m ² |
| Surface Cleanliness - Bresle Equivalent Method Mode | 0-15µg/cm ² | 0-150mg/m ² |
| Conductivity | 0-6000µS/cm | 0-6mS/cm |
| | 0-3000ppm | 0-0.3% Salinity |
| Resolution | | |
| Surface Cleanliness | 0.1µg/cm ² | 1mg/m ² |
| Conductivity | 1µS/cm | 0.001mS/cm |
| | 1ppm | 0.0001% Salinity |
| Gauge Accuracy | ±1% of reading | |
| Measurement mode | | |
| Surface Cleanliness | ■ | |
| Conductivity | ■ | |
| Calibration offset mode | ■ | |
| Automatic temperature compensation | ■ | |
| ElcoMaster® software & USB cable | ■ | |
| Individual reading and profile map stored with time and date | ■ | |
| 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>gauge & batch specific</i>) | ■ | |
| Review, copy, clear & delete batches & calibration settings | ■ | |
| Trend graph; <i>last 20 readings</i> | ■ | |
| Batch review graph | ■ | |
| Analogue bar graph | ■ | |

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

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

Technical Specification

| Model | Description | Certificate |
|-----------------|--|-------------|
| E130-SP | Elcometer 130 Soluble Salt Profiler ¹ | |
| E130-SPC | Elcometer 130 Certified Soluble Salt Profiler ¹ | ● |
| Operating Range | 5°C - 40°C (41°F - 104°F) | |
| Power Supply | 4 x AA batteries or via USB (rechargeable batteries can also be used) | |
| Battery Life | Alkaline: Approximately 30 hours Lithium: Approximately 45 hours | |
| Sample Time | 2 minutes | |
| Sampling Size | 110mm (4.3") circle | |
| Dimensions | 250 x 145 x 50mm (9.8 x 5.7 x 1.9") | |
| Weight | 780g (1.72lb) | |
| Standards | SSPC Guide 15 (Bresle Equivalent ISO 8502-9 Test Method) | |
| Packing List | Elcometer 130 Soluble Salt Profiler, 3 x magnetic discs, 100 x high purity test papers, 250ml (8.5fl oz) pure distilled water, 20 x PVC storage bags, disposable gloves, sensor wipes, 3 x 3.0ml (0.1fl oz) syringes, 2 x plastic tweezers, 4 x AA batteries, shoulder strap, plastic transit case, test certificate and operating instructions, USB cable, ElcoMaster [®] software | |

Accessories

| | Description | Certificate |
|------------------|---|-------------|
| T13027115 | Calibration Verification Tile | ● |
| T13025964 | Magnetic Discs (x3) | |
| T13024091 | 3.0ml / 0.1fl oz Syringe (x3) | |
| T13024093 | Self Seal Polythene Bags (x20) | |
| T99911344 | Pure Distilled Water - 250ml (8.5fl oz) Bottle with 3ml syringe | |
| T13027596 | Pure Distilled Water - 1000ml (33.8fl oz) Bottle with 3ml syringe | |
| T13024094 | High Purity Test Papers (x100) | |
| T13024092 | Disposable Vinyl Gloves (x20) | |
| T13024098 | Plastic Tweezers (x2) | |
| T13024087 | Box of 72 Sensor Wipes | |
| T99920130 | USB Bluetooth [®] Adaptor V2.1+ | |

● Calibration certificate supplied as standard ¹ Applicable Patents: GB 2527766

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Elcometer 130 SSP: Made for iPhone 6 Plus, iPhone 6, iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, 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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