



## Half-cell Corrosion Potential

# Profometer Corrosion

Advanced half-cell measuring instrument for on-site mapping of the corrosion potential



### Productivity

High productivity with unique wheel electrodes and optimized workflow



### Efficiency

Advanced processing and custom reporting tools with exportable graphs and charts



### Future readiness

Easy upgradable with cover meter functionality for combined testing



## Tech Specs

|                           |   |
|---------------------------|---|
| <b>Display unit</b>       | 7" color rugged touchscreen unit (800 x 480 pixels) with a dual-core processor, IP54  |
| <b>Special Features</b>   | Support for Copper/Copper sulphate, Silver/Silver chloride and SCE Calomel electrodes<br>Corrosion scan heat map view<br>Distribution and cumulative distribution view for determination of threshold potentials<br>Chipping graph view for display of corroded areas based on the analysis   |
| <b>Display unit specs</b> | Voltage measuring range: -999 to +999 mV<br>Memory: Internal 8 Gb flash memory<br>Voltage resolution: 1 mV<br>Input impedance: 100 mΩ<br>Sampling rate: 900 Hz<br>Power input: 12V ±25% / 1.5 A<br>Dimensions: 250 x 162 x 62 mm<br>Weight: 1525 g<br>Battery: 3.6 V, 14 Ah<br>Battery lifetime: > 8h<br>Humidity: <95% RH, non condensing<br>Operating temperature: -10°C to +50°C |
| <b>PC Software</b>        | Profometer Link Reporting software for data analysis, merging of corrosion scans for large areas and irregular geometries, customized reporting and export to third party software  |



## Instrument Tech Specs

|                            |   |
|----------------------------|---|
| <b>Measured Quantity</b>   | Corrosion potential [mV]  |
| <b>Accuracy</b>            | ±1 mV   |
| <b>Instrument Firmware</b> | Intuitive user-friendly interface for data acquisition<br>Optimized workflow for rod and wheel measurements<br>Customizable text can be entered for any specific locations<br>Flexible features enable the mapping of any irregular geometry<br>Improved digital filtering to remove the effect of external noise (civil and industrial power sources)<br>Create custom reports with exported graphs and charts |
| <b>PC Software</b>         | Profometer Link Reporting software for data analysis, combined data evaluation, and reporting on any third party software   |
| <b>Display</b>             | 7" color rugged touchscreen unit (800 x 480 pixels) with a dual-core processor  |
| <b>Memory</b>              | Internal 8 GB flash memory  |
| <b>Connections</b>         | USB host/device and Ethernet  |
| <b>Measuring Range</b>     | -999 to +999 mV   |
| <b>Probes / Electrodes</b> | In addition to the basic rod electrode, the use of Proceq's unique one and four-wheel electrodes enable the highest on-site productivity in large areas   |

| Standards & Guidelines  | Description |
|-------------------------|-------------|
| ASTM C 876-15           |             |
| DGZfP B3                |             |
| JGJ/T 152 ( China)      |             |
| JSCE E 601              |             |
| RILEM TC 154-EMC        |             |
| SIA 2006 ( Switzerland) |             |
| UNI 10174               |             |
| ОДМ 218.3.001-2010      |             |



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