

## Half-cell Corrosion Potential

## Profometer Corrosion

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

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### 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

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

Measured Quantity	Corrosion potential [mV]
Accuracy	±1 mV Intuitive user-friendly interface for data acquisition Optimized workflow for rod and wheel measurements Customizable text can be entered for any specific locations
Instrument Firmware	Flexible features enable the mapping of any irregular geometry Improved digital filtering to remove the effect of external noise (civil and industrial power sources) Create custom reports with exported graphs and charts

PC Software	Profometer Link Reporting software for data analysis, combined data evaluation, and reporting on any third party software
Display	7" color rugged touchscreen unit (800 x 480 pixels) with a dual-core processor
Memory	Internal 8 GB flash memory
Connections	USB host/device and Ethernet
Measuring Range	-999 to +999 mV
Probes / Electrodes	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

ODM 218.3.001-2010



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