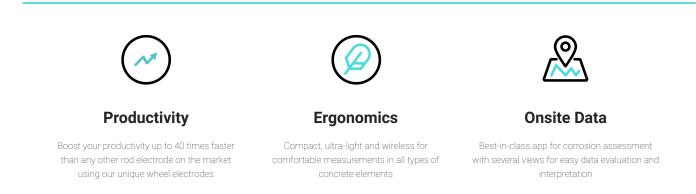




**Profometer Corrosion Potential** 

PM8500

The most complete half-cell solution for rapid on-site mapping of corrosion potential

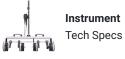


## **Profometer App Corrosion**

Tech Specs

DM

Measurement Modes-Autosave mode (rod electrode) -Grid set up (Origin of coordinates; Grid size; Cell size; Direction of measurement) -Delete and overwriting information (Cells; Lines; Whole scan) Skipping data (Cells; Lines; Fixed distance) -Pause and resume -Stop and startReview Modes-Potential View for displaying a heat map with the potential values -Statistic View - distribution and cumulative graph -Chipping graph view for displaying the corder areas based on the analysisAdvanced Features-Support for cooper, silver, mercury and SCE calomet electrodes -Temperature correction -Zoom in and outCalibration Features-Calibration of lengthReporting-Cloud connectivity -Workspace integration -Automatic Logbook -Raw data export -Instant report generation -Share via URL -Automatic Logbook -Raw data export -Instant report generation -Screen size: From 7.9" to 12.9" -Resolution: Up to 2732-by-2048 -Weight: Down to 301 g / 10.6 oz -Carmera: Up to 12MP Wide and 10MP Ultra Wide -Optional: USR-C, SG, Face IDDisplay Unit Spees*:-Latest Apple® iPad recommended (iPad wit iOS 11.0 and higher) -Screen size: From 7.9" to 12.9" -Resolution: Up to 2732-by-2048 -Weight: Down to 301 g / 10.6 oz -Carmera: Up to 12MP Wide and 10MP Ultra Wide -Optional: USR-C, SG, Face ID	Display Unit	Any compatible Apple iPad (iOS 11.0 and higher)
Review Modesthe potential values • Statistic View - distribution and cumulative graph • Chipping graph view for displaying the corroder areas based on the analysisAdvanced Features• Support for copper, silver, mercury and SCE calomel electrodes • Temperature correction • Zoom in and outCalibration Features• Calibration of lengthOn-site annotations• Markers - comments and voice notes • Photos • GeolocationReporting• Cloud connectivity • Workspace integration • Share via URL • Automatic Logbook • Raw data export • Instant report generationExport formats• JPG (Screenshot) • PNG • CSV • HTMLDisplay Unit Specs*:• Latest Apple® iPad recommended (iPad with iOS 11.0 and higher) • Screen size: From 7.9' to 12.9" • Resolution: Up to 2732-by-2048 • Weight: Down to 301 g / 10.6 oz • Camera: Up to 12MP Wide and 10MP Ultra Wide • Optional: USB-C, 5G, Face IDDisplay Unit Specs*:• LIDAR Scanner (optional) • Three-axis gyro • Accelerometer	Measurement Modes	<ul> <li>Expert Mode</li> <li>Spot Scan (rod electrode)</li> <li>Line Scan (wheel electrode)</li> <li>Area Scan (wheel electrode)</li> <li>Fixed Grid (rod electrode)</li> <li>Flexible and Variable Grid (Wheel electrodes)</li> <li>Autosave mode (rod electrode)</li> <li>Grid set up (Origin of coordinates; Grid size; Cell size; Direction of measurement; Pattern of measurement)</li> <li>Delete and overwriting information (Cells; Lines; Whole scan)</li> <li>Skipping data (Cells; Lines; Fixed distance)</li> <li>Pause and resume</li> </ul>
Advanced Features       calomel electrodes · Temperature correction · Zoom in and out         Calibration Features       · Calibration of length         On-site annotations       · Markers - comments and voice notes · Photos · Geolocation         Reporting       · Cloud connectivity · Workspace integration · Share via URL · Automatic Logbook · Raw data export · Instant report generation         Export formats       · JPG (Screenshot) · PNG · CSV · HTML         Display Unit Specs*:       · Latest Apple® iPad recommended (iPad with iOS 11.0 and higher) · Screen size: From 7.9" to 12.9" · Resolution: Up to 2732-by-2048 · Memory: Up to 2732-by-2048 · Memory: Up to 2718 · Weight: Down to 301 g / 10.6 oz · Camera: Up to 12MP Wide and 10MP Ultra Wide · Optional: USB-C, 5G, Face ID         Display Unit Specs*:       · LIDAR Scanner (optional) · Three-axis gyro · Accelerometer	Review Modes	<ul> <li>Statistic View - distribution and cumulative graph</li> <li>Chipping graph view for displaying the</li> </ul>
On-site annotations       • Markers - comments and voice notes         • Photos       • Geolocation         Reporting       • Cloud connectivity         • Automatic Logbook       • Raw data export         • Instant report generation       • JPG (Screenshot)         • PNG       • CSV         • Latest Apple® iPad recommended (iPad with iOS 11.0 and higher)         • Screen size: From 7.9" to 12.9"         • Resolution: Up to 2732-by-2048         • Weight: Down to 301 g / 10.6 oz         • Camera: Up to 12MP Wide and 10MP Ultra Wide         • Optional: USB-C, 5G, Face ID         • LiDAR Scanner (optional)         • Three-axis gyro         • Accelerometer	Advanced Features	calomel electrodes <ul> <li>Temperature correction</li> </ul>
On-site annotations       Photos         Geolocation       Geolocation         Reporting       Cloud connectivity         Workspace integration       Share via URL         Automatic Logbook       Raw data export         Instant report generation       JPG (Screenshot)         PNG       CSV         CSV       HTML         Display Unit Specs*:       Latest Apple® iPad recommended (iPad with iOS 11.0 and higher)         Screen size: From 7.9" to 12.9"       Resolution: Up to 2732-by-2048         Weight: Down to 301 g / 10.6 oz       Camera: Up to 12MP Wide and 10MP Ultra Wide         Vide       Optional: USB-C, 5G, Face ID         LiDAR Scanner (optional)       Three-axis gyro         Accelerometer       Accelerometer	Calibration Features	Calibration of length
• Workspace integration         • Share via URL         • Automatic Logbook         • Raw data export         • Instant report generation         • JPG (Screenshot)         • PNG         • CSV         • HTML         • Latest Apple® iPad recommended (iPad with IOS 11.0 and higher)         • Screen size: From 7.9" to 12.9"         • Resolution: Up to 2732-by-2048         • Memory: Up to 2TB         • Weight: Down to 301 g / 10.6 oz         • Camera: Up to 12MP Wide and 10MP Ultra Wide         • Optional: USB-C, 5G, Face ID         • LiDAR Scanner (optional)         • Three-axis gyro         • Accelerometer	On-site annotations	• Photos
Export formats       • PNG         • CSV       • HTML         bisplay Unit Specs*:       • Latest Apple® iPad recommended (iPad with iOS 11.0 and higher)         • Screen size: From 7.9" to 12.9"         • Resolution: Up to 2732-by-2048         • Memory: Up to 2732-by-2048         • Weight: Down to 301 g / 10.6 oz         • Camera: Up to 12MP Wide and 10MP Ultra         Wide         • Optional: USB-C, 5G, Face ID         • LiDAR Scanner (optional)         • Three-axis gyro         • Accelerometer	Reporting	<ul> <li>Workspace integration</li> <li>Share via URL</li> <li>Automatic Logbook</li> <li>Raw data export</li> </ul>
iOS 11.0 and higher)         • Screen size: From 7.9" to 12.9"         • Resolution: Up to 2732-by-2048         • Memory: Up to 2TB         • Weight: Down to 301 g / 10.6 oz         • Camera: Up to 12MP Wide and 10MP Ultra         Wide         • Optional: USB-C, 5G, Face ID         • LiDAR Scanner (optional)         • Three-axis gyro         • Accelerometer	Export formats	• PNG • CSV
Three-axis gyro     Accelerometer	Display Unit Specs*:	<ul> <li>Screen size: From 7.9" to 12.9"</li> <li>Resolution: Up to 2732-by-2048</li> <li>Memory: Up to 2TB</li> <li>Weight: Down to 301 g / 10.6 oz</li> <li>Camera: Up to 12MP Wide and 10MP Ultra Wide</li> </ul>
Barometer     Built-in GPS/GNSS	Display Unit Sensors*:	Three-axis gyro     Accelerometer     Ambient light sensor     Barometer



Technology	Half Cell Potential
Measured Quantity	Corrosion potential in milivolts [mV]
Connection	Wireless - Bluetooth
Cover Measuring depth	First rebar layer
Voltage Measurement Range	-3000mV to +3000mV
Resolution	+-1mV
Input Impedance	100MOhm
Encoder Accuracy	+/- 0.5 mm / 0.02 in + 0.78% of measured length Resolution: 3.3 mm / 0.13 in (128 steps / rotation)
Max Scanning Speed	1 m/s - 3.3 ft/s
Max Area Scan	50 x 50 m - 165 x 165 ft
<u>Dimensions</u>	
Sensor unit	(127 x 59 x 56)mm / (5 x 2.3 x 2.2)in without holder (127 x 98 x 72)mm / (5 x 3.9 x 2.8)in with holder
Rod electrode	D= 36mm x 155mm / D=1.4 in x 6.1in with protection-cap
One wheel electrode	(194 x 138 x 127)mm / (7.6 x 5.4 x 5)in without telescopic rod (2000 x 138 x 127)mm / (78.7 x 5.4 x 5)in with extended telescopic rod (700 x 138 x 127)mm / (27.6 x 5.4 x 5)in with pulled in telescopic rod
Four wheel electrode	(830 x 350 x 140)mm / (32.6 x 13.8 x 5.5)in without telescopic rod (2150 x 830 x 140)mm / (84.6 x 32.6 x 5.5)in with extended telescopic rod (840 x 830 x 140)mm / (32.8 x 32.6 x 5.5)in with pulled in telescopic rod
<u>Weight</u>	
Sensor unit	150g / 0.33 lbs without holder 220g / 0.49 lbs with holder
Rod electrode	120g / 0.26 lbs without cable / without cupper sulfate, without Interface-Box
One wheel electrode	2000g / 4.41 lbs without fluid, with interfacebox an telescopic rod + 435g / 0.96 lbs including fluid
Four wheel electrode	6900g / 15.2 lbs without fluid + 435g / 0.96 lbs per wheel including fluid
Standard kit (all items including carrying case)	7400g / 16.3 lbs
One wheel kit (all items including cartoon box)	2900g / 6.39 lbs
Four wheel kit (all items including carrying case)	17660g / 38.93 lbs
Battery	1xAA (NiMH) rechargeable or non rechargeable Removable Flight-safe 8 Hours autonomy USB-C charger
Environmental Conditions	Humidity <95% RH, non-condensing Operating temperature: -10°C to +50°C

Download on the App Store

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## **Our Accessories**

Image	PartNumber	Description
•	39260330	Ball joint accessory for the one-wheel electrode to connect to the telescopic rod for more flexible measurements.
Standards	& Guidelines	Description
ASTM C 87	76-15	
DGZfP B3		
JGJ/T 152	(China)	
JSCE E 60 <sup>°</sup>	1	
RILEM TC	154-EMC	
SIA 2006 (	Switzerland)	
UNI 10174		
ОДМ 218.3	3.001-2010	

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