

profometer®

The all-in-one solution for rebar assessment and corrosion analysis



New Feature
2-Layer Neighboring Rebar
Correction **Artificial Intelligence**

- ASTM
- DIN
- BS
- SN
- DGZFP
- SIA
- UNI
- JGJ/T
- JSCE



Interactive

Full flexibility

- ✓ Upgrade anytime between cover meter and corrosion analysis instruments
- ✓ Easily switch the probes of the combined instrument
- ✓ New technologies will be added to further increase application range

High productivity

- ✓ Easy and immediate data interpretation with 2D grid and statistical views
- ✓ Dual-core processor for fast data acquisition
- ✓ Dedicated software for efficient custom reporting

User friendliness

- ✓ Profometer touchscreen with illustrative display and assisted workflow
- ✓ On-site post processing of the measured data
- ✓ Rugged housing for harsh environments



Profometer Corrosion interface box
Ready to connect half-cell electrodes to your Profometer unit

profometer®

Speed-up your measuring and reporting!

Profometer 6 Cover Meters

- ✓ Advanced cover meters and rebar locators based on the eddy current pulse induction principle
- ✓ Assisted scan of any surface regardless of its size and geometry
- ✓ Universal probe and detachable ruggedized cart with wireless path measuring system
- ✓ Complies with international standards BS, DIN, DGZfP, SN, SS, DBV



Profometer Corrosion

- ✓ Most versatile half-cell potential solution
- ✓ Proceq's unique wheel electrodes allow the fastest and most efficient on site testing
- ✓ Compatible with existing Canin and most third party electrodes
- ✓ Complies with international standards ASTM, RILEM, DGZfP, SIA, UNI, JGJ/T, JSCE



 Find out more

 Find out more

Proceq – History of Innovation since 1954

Proceq SA of Switzerland, founded in 1954, is a leading manufacturer of the highest quality portable instruments for non-destructive testing of materials. The popular Original Schmidt concrete test hammer, the patented SilverSchmidt (Q-value) and the Carboteq are just an excerpt of Proceq's proud inventions.

Revolutionary Profometer Touchscreen

As direct successors to the Profometer 5+ and Canin+ models, the **Profometer 6 instruments** continue the successful tradition that began 40 years ago representing the sixth Profometer generation.

In its current version the Profometer brand extends its features to cover additional methodologies related to the testing of reinforcement steel, incorporating both rebar assessment and corrosion analysis functionalities, thus replacing the world renowned Canin instrument for corrosion.

- ✓ Housing specially designed to be used on-site in harsh environments, including carrying strap, integrated stand and sunshield cover
- ✓ High resolution colour touchscreen allowing best possible measuring and analysis of the data for an entire working day (battery lifetime >8h)
- ✓ Dual core processor supporting diverse communication and peripheral interfaces
- ✓ Future proof investment through direct upgrade possibilities to upcoming Profometer products

	Profometer 6 Cover Meters			Profometer Corrosion
	Profometer 600	Profometer 630 AI	Profometer 650 AI	
				
	For safe drilling, coring and cutting, conformity check of concrete cover, fire resistance assessment and rebar assessment on unknown structures			For corrosion analysis
Rebar Location				
Cover Measurement				①
Diameter Estimation				
1-Layer NRC				
2-Layer AI				
Cover Calibration				
Single-Line Scan	③			① + ③
Multi-Line Scan				
Area Scan				
Cross-Line Scan	③	③		① + ③
Corrosion Potential	②	②	②	

Functionality

- ① ② Upgrade kits available (attachable hardware)
- ③ Software upgrades available (activation key)

 See how easy you can upgrade your instrument

A new Industry Benchmark in Cover Measurement Accuracy

Artificial Intelligence (AI) Cover Estimation

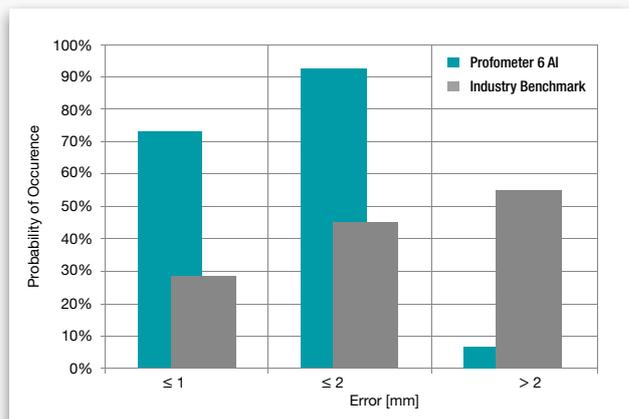


The Profometer 630/650 AI models set a new benchmark in cover reading accuracy. The new artificial intelligence cover estimation feature is based on a self-learning algorithm, with the ability to estimate cover for two layer rebar configurations. The Profometer AI models yield the most accurate cover readings for standard orthogonal two layer rebar configurations with a over 90% probability that first layer cover measurements are within a 2 mm accuracy.

Cover Calibration

This feature allows the new Profometer AI models to be calibrated on-site. Simply measure the actual cover to an exposed rebar and enter this value into the Profometer AI. This data will then be used to optimize the cover measurement over the whole measurement area. Only one such reference cover value needs to be entered and this highly flexible feature is independent of the rebar geometry and cover depth.

- ✓ Both features are included in the Profometer 630/650 AI models
- ✓ Existing Profometer 630/650 users can simply purchase an upgrade kit to enable these features:



392 00 201



Upgrade kit from Profometer 630 to 630 AI

consisting of software upgrade (activation key) and ruggedized cart for Profometer 6 universal probe

392 00 202



Upgrade kit from Profometer 650 to 650 AI

consisting of software upgrade (activation key) and ruggedized cart for Profometer 6 universal probe

New Ruggedized
Scan Cart

Broad wheels with soft rubber for high stability and precise positioning even on irregular surfaces

Ruggedized housing structure for maximum durability in harsh testing environments

Large diameter wheels prevent locking caused by the ingress of dirt and debris

Integrated spot probe for measurements in corners and LED indicating proximity and location of rebars

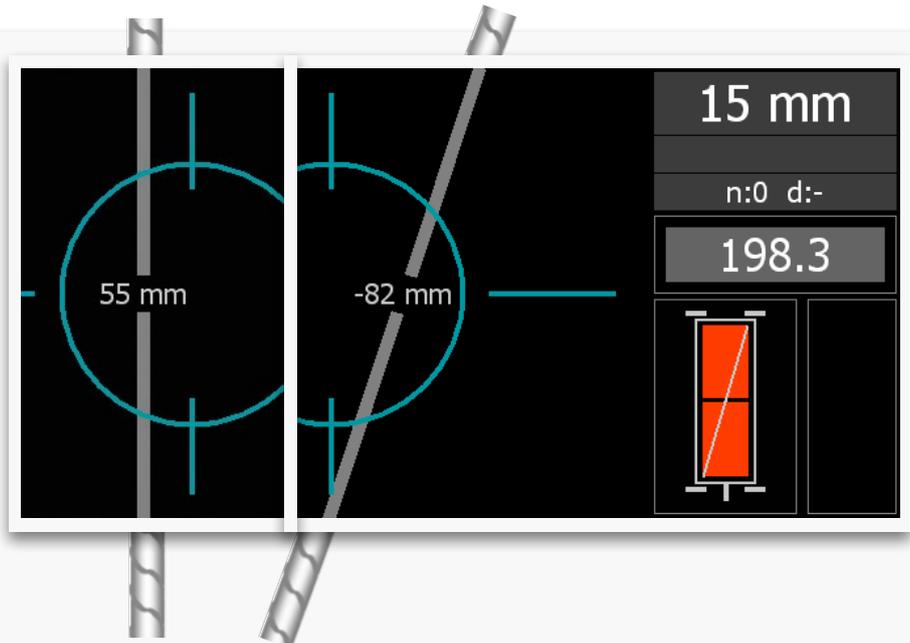
Profometer 600 Overview

Profometer 600 is the ideal instrument for contractors who need to avoid damages to the reinforcement steel when drilling, coring or cutting. It additionally covers the needs of inspection engineers to locate rebars and to assess concrete cover values and rebar sizes for spot checks.

Locate Mode

With the Locate Mode you can precisely detect the rebar location and direction as well as measure the cover and the rebar diameter.

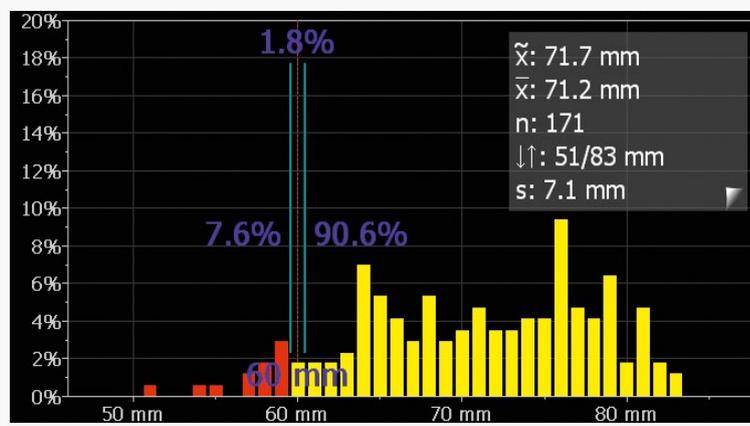
- ✓ Visual assistance for speed and signal strength control
- ✓ Settings directly accessible on the measurement screen
- ✓ Spot Probe specially for areas with congested rebar arrangements
- ✓ Automatically detects inclined rebars



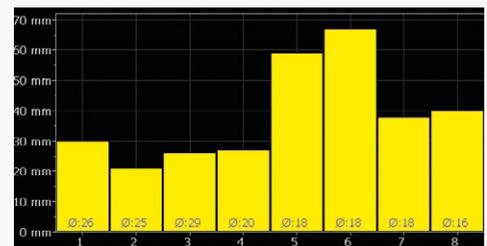
Statistics & Snapshot Views

The statistics and snapshot views allow comprehensive review of the measured data directly on the screen.

The statistics view presents a graphical overview of the distribution of cover measurements. The snapshot view shows cover for each rebar with the diameter displayed as a number.



Snapshot view



- ✓ Graphical display of measured values and minimum cover set
- ✓ Easy inspection of the measured values directly on the screen
- ✓ Change settings before and after storage
- ✓ Reopen stored files to continue measurements
- ✓ Export the data to a PC via the Profometer-Link software

Profometer® 630 AI

Advanced Scan Cover Meter

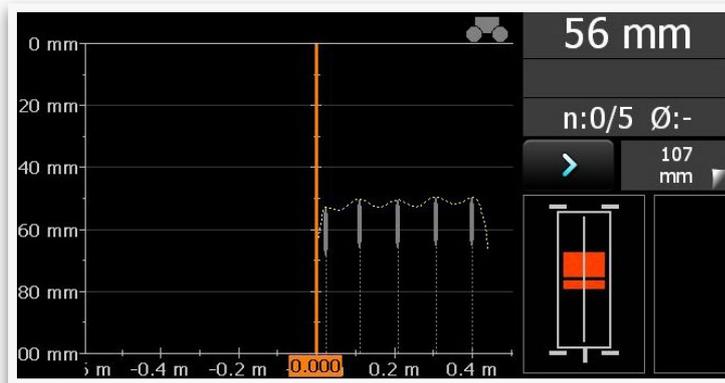
Profometer 630 AI Overview

The sophisticated Profometer 630 AI further enhances the application range of the Profometer 600 with the Single-Line, Multi-Line and Area Scan Modes and an extensive choice of statistical views, increasing productivity for civil engineers and inspection companies in charge of assessing the conformity of concrete cover of a new structure (quality check and fire resistance assessment) or dealing with corrosion analysis on large elements.

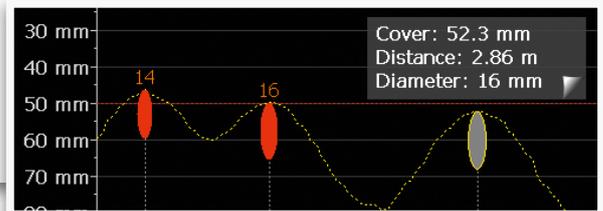
Single-Line Scan

Linear scan of the cover across the first layer of rebars over a long distance, with or without diameter measurement.

- ✓ Measuring over long distances
- ✓ Signal curve allows the user to manually verify and confirm the rebar position delivering an improved resolution
- ✓ Zoom in to scale according to your needs
- ✓ Display with cover curve or signal strength curve



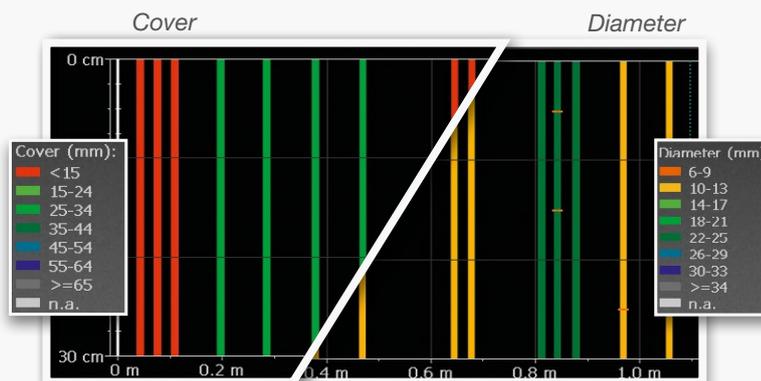
Red color for easy identification of minimum cover violation



Multi-Line Scan

Multiple linear scans across the first layer of rebars over a rectangular area. Cover, diameter and signal strength spectrum are shown in one view. Each line can be viewed individually in the Single-Line View.

- ✓ Color classification depending on cover and rebar diameter settings
- ✓ Signal strength spectrum for further evaluation



Signal strength spectrum

