

Product Code

UTC-2092 Profometer PM-630 Rebar Detector

Standards

BS 1881 Part 204, DIN 1045, SN 505 262

Profometer PM-630 Rebar Detector is an advanced cover meter to detect location of rebars, measurement of concrete cover and bar diameters non-destructively by using the eddy current principle with pulse induction as the measuring method. It also has extended advanced features from the previous version, Profometer5+, like Line and Area Scan Modes and an extensive choice of statistical views. PM-630 is specially suited to measuring large areas, long lines or when comprehensive reporting is required. For example when inspecting tunnels, retaining walls, concrete slab soffits, bridge slabs or dams.



FEATURES

- Measuring wide areas over long distances
- Zoom in to scale rebars according to your needs
- Display with cover curve or signal strength curve
- Visual assistance for speed and signal strength control
- Settings directly accessible on the measurement screen
- Graphical display of measured values and minimum cover set
- Change settings before and after storage
- PM-Link software for downloading saved data to a PC for analysis and export to third party applications
- All-in-one Universal Probe including standard, long range and spot probe
- Spot probe specially for areas with congested rebar arrangements
- Housing specially designed to be used on-site in harsh environments, including carrying strap, integrated stand and sunshield cover
- Battery lifetime of > 8h
- High resolution color display
- 8 GB Flash memory
- Dual core processor supporting diverse communication and peripheral interfaces
- Future proof investment through direct upgrade possibilities to upcoming Profometer products

Technical Specifications

Cover Measuring Range	Up to 185 mm (7.3")
Cover Measuring Accuracy	± 1 mm to ± 4 mm (0.04" to 0.16")
Measuring Resolution	Depending on diameter and cover
Path Measuring accuracy on smooth surface	± 3 mm (0.12") + 0.5% to 1.0% of measured length
Display	7" colour display 800x480 pixels
Diameter Measuring Range	Up to 63 mm (2.5")
Diameter Measuring Accuracy	± 1 bar size
Memory	Internal 8 GB Flash memory
Regional Settings	Metric and imperial units and multi-language supported
Battery	Lithium Polymer, 3.6 V, 14.0 Ah
Battery Lifetime	→ 8h (in standard operating mode)
Mains	9 V - 15 V / 2.0 A
Weight (of display device)	About 1'525 g (incl. Battery)
Operating temperature	0°C - 30°C (Charging*, running instrument), 0°C - 40°C (Charging, instrument is off) -10°C - 50°C (Non-charging)
Humidity	← 95 % RH, non condensing
IP Classification	IP54