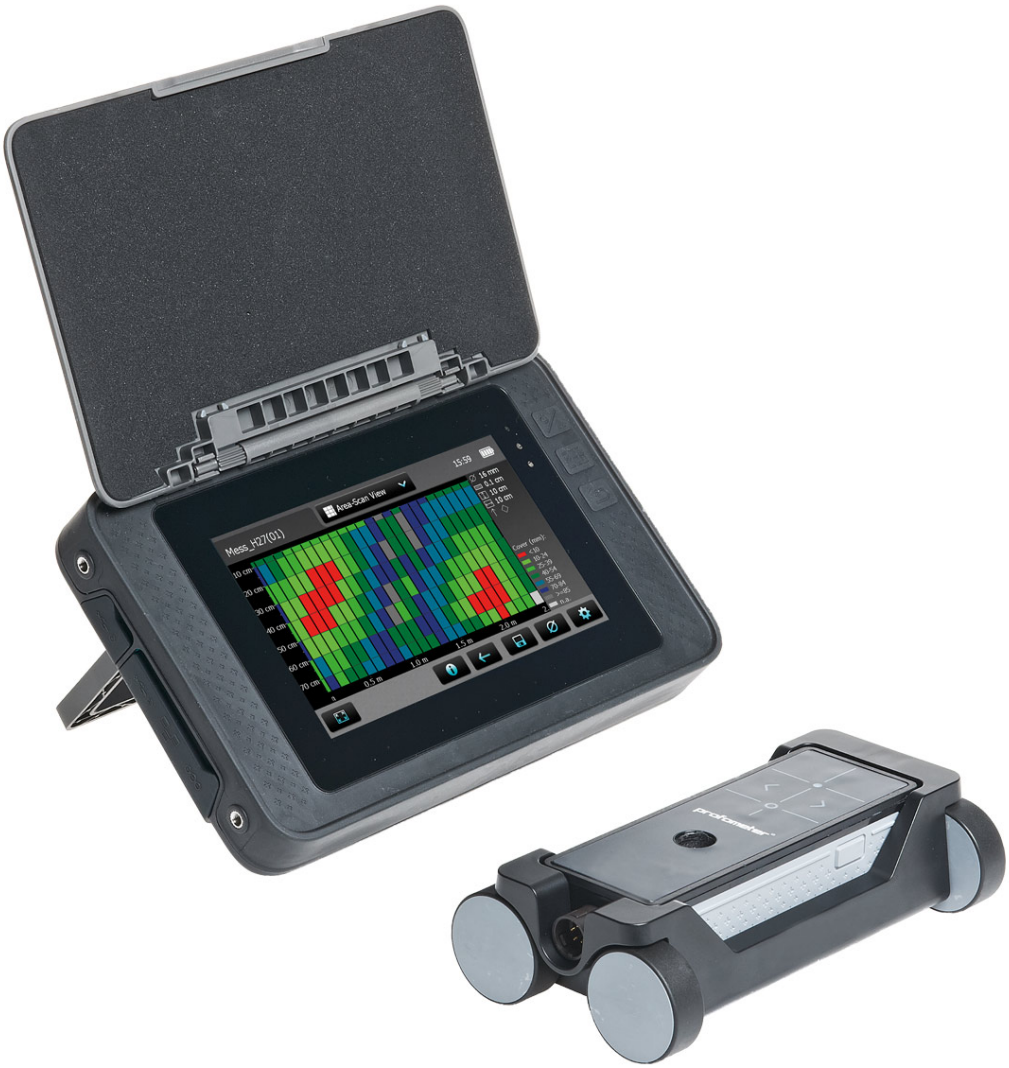
Profometer
Concrete Covermeter

LT-PM600 / LT-PM630 / LT-PM650 | Profometer series

Pulse induction • Universal Probe • Profometer Link data management



185 mm

MAXIMUM CONCRETE COVER RANGE

8 GB

INTERNAL MEMORY

BS 1881 Part 204 • DIN 1045 • Non-destructive reinforcement inspection

Photographs and Components

Touchscreen, protective cover and scanning with the Universal Probe

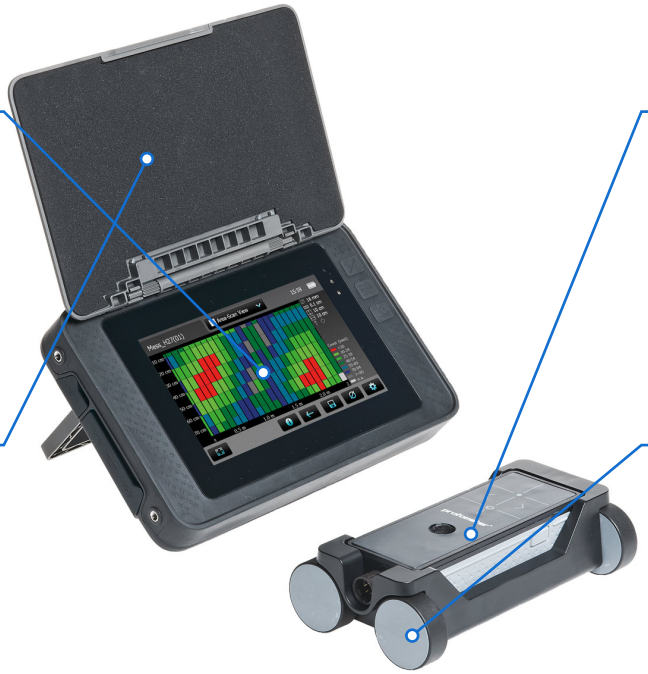
The Profometer range locates reinforcement, determines its direction, measures concrete cover and estimates bar diameter under suitable conditions. Move the Universal Probe across the surface and review measurements on the touchscreen.

TOUCHSCREEN

The 7-inch colour display shows measurements and settings. Graphics and scan views depend on model and mode.

COVER AND SUPPORT

The opening cover and rear support assist positioning of the display in the working area.

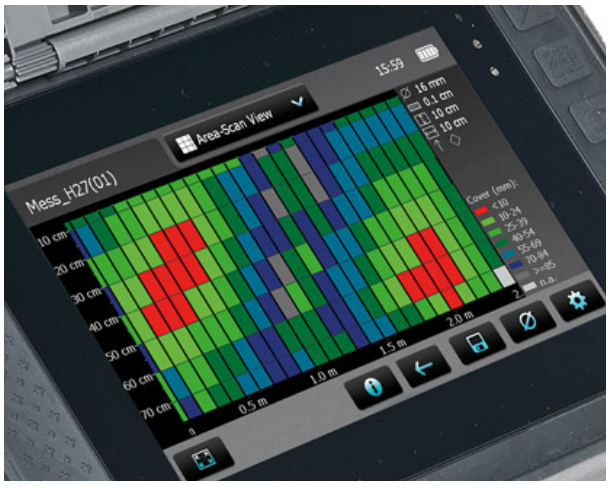


UNIVERSAL PROBE

The probe detects reinforcement through the surface. An integrated spot probe supports congested-area inspection.

SCANNING TROLLEY

The removable wheeled arrangement supports controlled movement and tracking of the scan path.



Graphical result display and screen interface



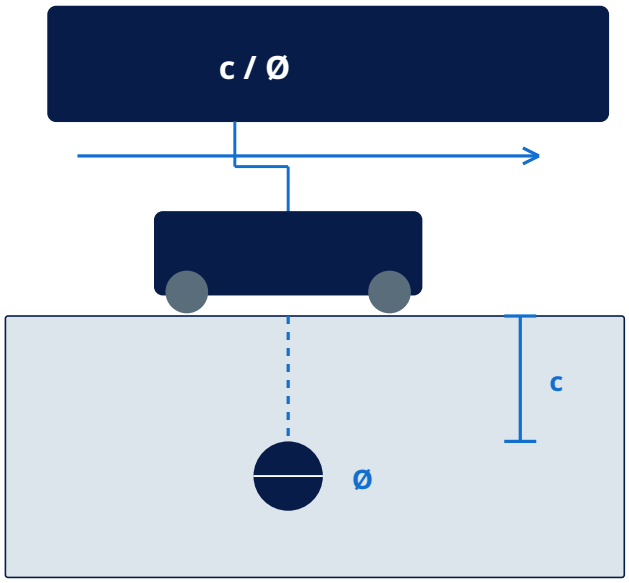
Universal Probe and wheeled scanning arrangement

LT-PM600 / LT-PM630 / LT-PM650

Rebar and Concrete Cover Principle

Scan surface • Locate reinforcement • Measure cover • Estimate diameter where suitable

PULSE INDUCTION • SCHEMATIC SECTION



c: CONCRETE COVER • Ø: REBAR DIAMETER

COVER DEPTH AND DIAMETER ARE DISTINCT

SCHEMATIC VIEW • NOT TO SCALE

Prepare and Scan

Check the surface and probe. Set the measurement parameters and scan in the selected direction.

Locate Reinforcement

Determine bar direction. Assess the measuring position using repeated scans and spot readings.

Measure and Record

Measure cover and estimate diameter where suitable. Store point identification and conditions with results.

Pulse induction detects steel reinforcement within concrete. Cover is the distance from the surface to the nearest bar surface. Bar diameter is estimated separately; closely spaced bars and multiple reinforcement layers can affect evaluation.

Range and Diameter Estimation

Cover range extends up to 185 mm. Cover measurement accuracy is ±1 to ±4 mm depending on depth and conditions.

Diameter estimation applies to suitable isolated reinforcement at cover depths up to 63 mm and bar diameters up to 40 mm. Consider congested reinforcement and nearby metal; repeat measurements at suitable positions.

Data Records and Field Use

The 8 GB internal memory stores results on the instrument. Profometer Link supports transfer to a computer, review and export of measurement records.

The Universal Probe is rated IP67 and the display unit IP54. Battery life exceeds 8 hours under standard operating conditions. Track scan locations, settings and the recording arrangement for the model being used.

Models and Technical Specifications

LT-PM600 / LT-PM630 / LT-PM650 • Common measurement and display features

Product Code	Model	Max. Cover	Memory	Display Unit
LT-PM600	Profometer 600	185 mm	8 GB	1525 g
LT-PM630	Profometer 630	185 mm	8 GB	1525 g
LT-PM650	Profometer 650	185 mm	8 GB	1525 g

Measurement / System Feature	Value / Description
Measurement Principle	Pulse induction
Cover Accuracy	±1 to ±4 mm; depends on depth and conditions
Diameter Estimation Condition	Up to Ø40 mm; cover depth up to 63 mm
Display	7-inch colour touchscreen; 800 × 480 pixels
Protection Ratings	Universal Probe IP67 / display unit IP54
Data Software	Profometer Link
Battery Operation	More than 8 hours under standard conditions
Application References	BS 1881 Part 204; DIN 1045

Assess Cover and Bar Diameter Separately

63 mm is the cover-depth limit for diameter estimation; 40 mm is the maximum estimated bar diameter. Check conditions in closely spaced or multilayer reinforcement.

Reinforcement Inspection Workflow

01
Prepare
Check the surface, probe and measurement settings.

02
Scan
Locate reinforcement and determine its direction.

03
Measure
Assess cover and diameter where suitable.

04
Record
Store results with location and conditions.

Product Page | liyatest.com.tr/en/urun/profometer-concrete-covermeter/