Concrete Covermeter

LT-C0159 / LT-C0160 | Locating metal, cables and wooden elements

Automatic calibration • Audible and visual indicators • 9 V battery operation



100 / 120 mm

MAX. STEEL DETECTION BY MODEL

80 / 50 mm

MAX. COPPER / LIVE CABLE DETECTION

BS 1881 Part 204 • DIN 1045 • Application references

Photographs and Components

Display, mode selection, marking opening and surface scanning

The instrument range locates steel, copper, live electrical cables and wooden elements behind surfaces. An appropriate mode and controlled movement across the surface support detection and position marking.

DISPLAY AND INDICATORS

Detection indications and battery status are viewed on the front display. Assess visual and audible alerts together.

MARKING OPENING

The opening in the upper section supports marking the detected position on the scanned surface.



MODE SELECTION

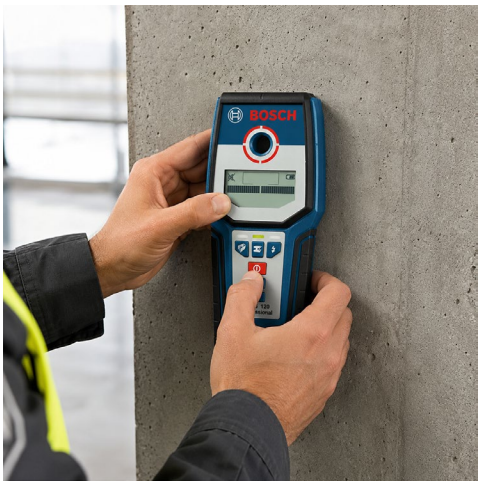
Select the mode for the material being scanned. Complete setup and automatic calibration to the instructions.

HANDHELD BODY

The grip area supports controlled scanning. Hold the instrument flat against the surface.



Display and scanning mode buttons

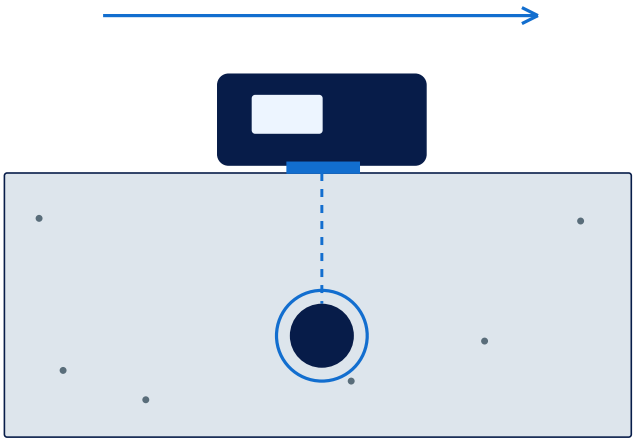


Scanning on a concrete surface

Scanning and Position Detection

Select mode • Scan the surface • Check from several directions • Mark position

CONCEALED OBJECT DETECTION • SCHEMATIC



SCANNED SURFACE AND CONCEALED OBJECT

RESULT: DETECTED OBJECT POSITION

SCHEMATIC VIEW • NOT TO SCALE

Prepare and Select

Check the surface and battery. Select a suitable mode and complete the instrument setup steps.

Scan Under Control

Place the instrument flat on the surface. Move slowly and evenly; observe indicators and alerts.

Confirm and Mark

Scan the same area from several directions. Assess repeated detection and mark the object position.

Detection depth depends on object type, model and operating conditions. Maximum detection depth is not concrete cover measurement accuracy. Moisture, nearby objects and surface structure can influence the signal; assess position with repeated scanning.

Models and Detection Depth

Maximum steel detection is 100 mm for LT-C0159 and 120 mm for LT-C0160. Both models specify 80 mm for copper and 50 mm for live electrical cables.

Use the appropriate mode for wooden elements. Record model, mode and surface conditions; compare object position across different scanning directions.

Surface and Work Planning

Clean the scanning area and maintain consistent surface contact. Match the detection indication to surface marks and rescan uncertain regions.

Live cable detection depends on the circuit and surroundings. A lack of detection does not prove that a cable is absent. Assess the work area according to the applicable procedure before drilling or cutting.

LT-C0159 / LT-C0160

Models and Technical Specifications

Maximum detection depths in mm • Overall dimensions in cm • Weight in kg

Product Code	Steel	Copper	Cable	Dimensions (cm)	Weight (kg)
LT-C0159	100	80	50	10 × 35 × 17	0.30
LT-C0160	120	80	50	8.5 × 20 × 3.2	0.29

Common Feature	Value / Description
Application	Locating reinforcement and concealed objects
Detected Materials	Steel / copper / live electrical cables / wood
Setup	Automatic calibration
Indication	Audible and visual indicators
Power Supply	9 V battery
Scope of Supply	Instrument, 9 V battery and protective case
Detection Depth	Depends on object type and operating conditions
Application References	BS 1881 Part 204; DIN 1045

Maximum Depth and Actual Scanning Conditions

Table values represent maximum detection depths. Scan in several directions and consider the influence of closely spaced reinforcement and nearby utilities on the indications.

Surface Scanning Workflow

01
Prepare
Check surface, battery and instrument condition.

02
Select Mode
Choose a suitable mode and complete setup.

03
Scan Again
Scan slowly and from different directions.

04
Mark Position
Mark repeatable detections on the surface.

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