

Extra easy-to-read
Full-color LCD with backlight

4.1 Large screen
inch



Rechargeable Wall Scanner
DWD181



Depth to the embedded object

ON / OFF indication signal sound

Scene mode (photo: Dry Concrete mode)

DWD181

Scan mode (photo: Single detection mode)

Wall surface

Depth scale

Sensor's center line

Mark of detected object



Scan result display in real size



LED job lights



Laser Guide



Speaker



Wheels



Display brightness adjustment



Sleep timer*1
OFF / 10 / 20 / 30 / 60 / 120 / 240 seconds



Off timer*2
OFF / 1 / 3 / 5 / 10 minutes

*1 Sets the period of time elapsed before the display backlight, guide laser and light are turned off

*2 Sets the period of time to elapse for the scanner to be automatically turned off

Continuous run time (approx)

On a full battery charge

BL1815N 1.5Ah	7h
BL1820B 2.0Ah	9.5h
BL1830B 3.0Ah	14h
BL1840B 4.0Ah	19h
BL1850B 5.0Ah	24h
BL1860B 6.0Ah	28h

Rechargeable Wall Scanner		
DWD181		
Built-in Job Light	Max Scanning Depth	Metal: 180 mm Resin Tube: 120 mm Black Wire: 120 mm Wood: 25 mm
Carrying Case	Scanning Accuracy	+/- 5 mm
	Minimum Scannable Distance	40 mm
	Display Size	4.1"
	Max Run Time (hours)	w/ BL1860B / BL1850B / BL1840B / BL1830B / BL1820B / BL1815N: 28 / 24 / 19 / 14 / 9.5 / 7
	Dimensions (L x W x H)	w/ BL1830B / BL1840B / BL1850B / BL1860B: 306x118x124 mm (12"x4-5/8"x4-7/8") 1.3 - 1.7 kg (2.9 - 3.8 lbs.)* *BL1815N - BL1860B
	Net weight	

Items of standard equipment and specifications may vary by country or area.

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Overwhelming detection accuracy



Scene mode is selectable to suit wall surface material.

Dry concrete mode



Wet concrete mode



Partition mode



Radars view mode



High detection accuracy

Max detection depth*1

180 mm

Detection object: Ø10mm or larger rebar in dry concrete

*1 Varies by the size, shape and material of the embedded material, as well as the material, condition and internal structure of the scanned wall.

Easily detects embedded objects.



Embedded metal, live electrical cables and plastic pipes can be detected.

Makita's reliable solution to detect diagonally embedded objects

Able to detect linear objects in concrete like rebars

Single detection mode



Hold the scanner against the wall surface.

Move the scanner slowly side to side.

- The presence of embedded object is indicated visually on the screen and acoustically by a signal sound.
- The depth from wall surface to the object is also indicated.

More accurate scan can be made by drawing guide line on the wall surface then by aligning the laser line of the scanner with the drawn line.



Also able to detect diagonally curving objects in concrete like combined ducts or flexible plastic conduits

Multi detection mode



Hold the scanner against the wall surface.

Move the scanner slowly side to side.

Scan tracks ② and ③ the same way.

Scan results of up to 3 tracks can be displayed clearly at a time.



Scene mode is selectable to suit wall surface material.

*2 Some embedded objects may not be detected up to the maximum detection depth depending on their size, shape and material, as well as the material, condition and internal structure of the wall to be scanned.

Dry concrete mode

Max detection depth
180 mm*2



For detecting rebars or plastic pipes in dry concrete

Wet concrete mode*3

Max detection depth
100 mm*2



For detecting rebars or plastic pipes in wet concrete

Partition mode

Max detection depth
80 mm*2



For detecting studs or steel frame behind wood or drywall

Radar view mode

(Object can be discerned by checking the wave pattern.)



For detecting composite objects, such as rebars and cavities, in concrete block or brick wall

*3 Concrete needs several months to be completely dried since placed, and the concrete less than one year after the placement is referred to as wet concrete. Select this scene in the case of wet concrete, but to make it double sure, it is recommended that "Dry Concrete" be also used.