

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

4.1^{Large screen} inch

Depth to the
embedded object

Scene mode
(photo: Dry Concrete mode)

Scan mode
(photo: Single detection mode)

Depth scale

Mark of detected
object

ON / OFF indication
signal sound

DWD181

Wall surface

Sensor's center line

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

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

*2Sets 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
- Carrying Case

Max Scanning Depth

Metal: 180 mm
Resin Tube: 120 mm
Black Wire: 120 mm
Wood: 25 mm

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")

Net weight

1.3 - 1.7 kg (2.9 - 3.8 lbs.)*

*BL1415N - BL1860B

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

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Satisfy Professional's Needs

Makita

Rechargeable Wall Scanner
DWD181

LXT



Overwhelming
detection accuracy

Scene mode is selectable to suit wall surface material.

Dry concrete mode



Wet concrete mode



Partition mode



Radars view mode



XPT **18V LITHIUM-ION**

High detection accuracy

Max detection depth*1

180mm

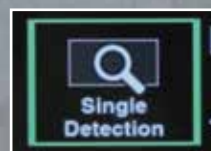
Detection object: Ø10mm or larger rebar in dry concrete

*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.



Startup



Detection mode selection



Scene mode selection



Scan



Marking

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.

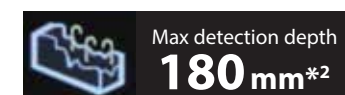
Scan results of up to 3 tracks can be displayed clearly at a time.



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
180mm*2



For detecting rebars or plastic pipes in dry concrete

Wet concrete mode*3



Max detection depth
100mm*2



For detecting rebars or plastic pipes in wet concrete

Partition mode

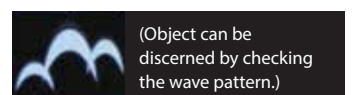


Max detection depth
80mm*2



For detecting studs or steel frame behind wood or drywall

Radar view mode



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.