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

4.1 inch Large screen

Depth to the embedded object

Scene mode
(photo: Dry Concrete mode)

Scan mode
(photo: Single detection mode)

Depth scale

Mark of detected object

18.0 cm

ON / OFF indication signal sound

DWD181

Wall surface

Sensor's center line

Scan result display in real size

LED job lights

Laser Guide

Speaker

Beep

Wheels

*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
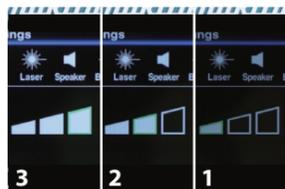
Display brightness adjustment

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

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

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 ® LXT
Rechargeable Wall Scanner
DWD181

Overwhelming detection accuracy

XPT **18v LITHIUM-ION**

Scene mode is selectable to suit wall surface material.

Dry concrete mode

Wet concrete mode

Partition mode

Radar view mode

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
	Single Detection	Dry Concrete		

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
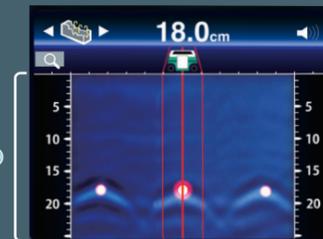
Single detection mode

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.

18.0cm

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

(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.