

Leica Lino ML180 & ML90

Technical data sheet



Delivery package Leica Lino ML180

Art. No. 784438

- Leica Lino ML180 multi line laser
- Leica XCR Catch with clamp
- 3 batteries type AA 1.5 for laser receiver
- Rechargeable NiMH battery pack
- International charging device with 4 plugs
- Battery holder for alkaline batteries
- Large red target plate
- Small red target plate
- Red laser glasses



Delivery package Leica Lino ML90

Art. No. 784437

- Leica Lino ML90 multi line laser
- Rechargeable NiMH battery pack
- International charging device with 4 plugs
- Battery holder for alkaline batteries
- Large red target plate
- Red laser glasses

Technical specifications	Leica Lino ML180	Leica Lino ML90
No of lines / points	4 lines / 1 point	3 lines/1 point
Directions	vertical front, left, right, horizontal, plumb down	vertical front, right, horizontal, plumb down
Levelling/Line accuracy	± 0.7 mm @ 10 m (0.07 mm / m)	
90° angular accuracy	± 0.2 mm / m	
Self-levelling range	$\pm 5^\circ$	
Self-levelling time	< 10 s	
Range*	20 m	
Vertical fine adjustment over plumb point	Automatically, manually at $\pm 4^\circ$ vertical	Manually at $\pm 4^\circ$ vertical
Motorized unit, works with XCR Catch for auto-alignment	yes, ready for remote control and smart targeting with XCR Catch	ML 90 unit is not motorized and is not ready for any remote control functions from XCR Catch
Range of remote control / smart targeting with XCR Catch	50 m	
Range with receiver (line locating)	XCR Catch receiver: 100 m**	RVL 100 receiver: 80 m*
Out-of-level warning	yes, red LED indication on keypad	
Levelling system	electronic levelling	

- when it has to be **right**

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Technical specifications	Leica Lino ML180	Leica Lino ML90
Pendulum lock	no, not necessary	
Laser type	< 1 mW, 635 nm, class 2 (IEC 60825-1:2008)	
Protection class	IP 54	
Battery type	rechargeable NiMH battery pack or type D, 2 x 1.5V	
Operating time recharg. batteries	12 h	
Operating time alkaline batteries	10 h	
Charging during operation	yes is possible	
Dimensions ML device	250 x 159 x 230 mm (9.9 x 6.3 x 9.1 inch)	
Weight with batteries	2200 g (77oz)	
Operating temperature	-10 to + 45° C (14° F to + 113° F)	
Storage temperature	-25 to +70 ° C (-13° F to + 158° F)	
Fan angle vertical sides	120 °	
Fan angle vertical front	120 °	
Fan angle horizontal	170 °	
Laser line width @ 5 m distance	< 2 mm	
Tripod thread	5/8 in	
Pulse power for receiver	yes, is permanently switched on	

*visible range is dependent from light conditions

** in straight line to the device



Laser class 2 in accordance with IEC 60825-1