

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

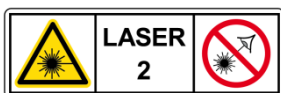
- Leica Lino ML90 multi line laser
- Rechargeable NiMH battery pack
- International charging device with 4 plugs
- Battery holder for alkaline batteries
- Large red target plate
- Red laser glasses

Leica Lino ML

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 (0.027 in @ 10m)	
90° angular accuracy	±0.2 mm / m	
Self-levelling range	±5 °	
Self-levelling time	< 10 s	
Range, visible*	20 m (65.6 ft)	
Vertical adjustment over plumb point	automatically at ±4° vertical	
Motorized unit, works with XCR Catch for auto-alignment	yes, ready for remote control and Smart Targeting with XCR Catch	No remote control, No Smart targeting
Range of remote control / Smart Targeting with XCR Catch	50 m (164 ft)	No remote control
Range with XCR Catch (line location)	100 m (328 ft)**	RVL 100 receiver: 80m*
Out-of-level warning	yes, laser beam blinks	
Levelling system	Electronic levelling	Pendulum levelling
Pendulum lock	no, not necessary	
Laser type	< 1 mW, 635 nm, class 2 (IEC 60825-1:2008)	
Protection class	IP 54	
Battery type	type D, 2 x 1.5V or rechargeable NiMH battery pack	
Operating time alkaline batteries	10 h	12 h
Operating time recharg. batteries	12 h	15 h
Charging during operation	yes is possible	
Low power alert	yes, red LED indication on keypad: blinking = power lasts up to 2 h permanent = power too low	
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

Leica Lino XCR Catch

Technical specifications	Leica Lino XCR Catch
Range* for line location	100 m (328 ft)
Range remote control / Smart Targeting	50 m (164 ft)
Sensitivity for line location	± 1mm, ± 3mm, ± 5mm
Length of detection window front- and backside	86 mm (3.4 inch)
Protection Class	IP 65
Operation Temperature	-10° to 50° C, (14° to + 122° F)
Storage Temperature	-25° to 70°C, (-13° F to + 158° F)
Battery type	3 x 1.5V AA
Dimensions	190 x 75 x 30 mm (7.5 x 3.0 x 1.2 inch)
Weight with batteries	310g

* in straight line to the device