Leica Lino ML180 & ML90

Technical data sheet





- 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

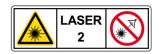
- Leica Lino ML90 multi line laser
- Rechargeable NiMH battery pack
- International charging device with 4 plugs
- Battery holder for alkaline batteries
- Large red target plate
- Red laser glasses

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,	vertical front, right, horizontal,
	horizontal, plumb down	plumb down
Levelling/Line accuracy	±0.7 mm @ 10 m (0.07 mm/m)	
90° angular accuracy	±0.2 mm / m	
Self-levelling range	±5°	
Self-levelling time	< 10 s	
Range*	20 m	
Vertical fine adjustment over	Automatically, manually	Manually
plumb point	at ±4° vertical	at ±4° vertical
Motorized unit, works with	yes, ready for remote control and	ML 90 unit is not motorized and is
XCR Catch for auto-alignment	smart targeting with XCR Catch	not ready for any remote control
Range of remote control / smart	50 m	functions from XCR Catch
targeting with XCR Catch		
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	



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

