

Leica Geosystems

ML 180 Technical Data – US Standard

Range*	66 ft
Range remote control	164 ft
Range with XCR receiver*	328 ft
Pulse power for receiver	yes, auto
Smart targeting	yes
Self-leveling range	± 5°
Self-leveling time	<10 seconds
Out of level warning	yes – blink lines every 5 seconds
Leveling system	electronic
Self-Leveling accuracy	0.03 in @ 33 ft
# of laser points	1
# of laser lines	4
Beam direction	vertical forward + right + left, horizontal, plumb down
Beam angle	120°
Laser line width at 16 ft	<0.08 in
Horizontal line accuracy	± 0.03 in @ 33 ft
Vertical line accuracy	± 0.03 in @ 33 ft
Point accuracy	±0.04 in @33ft
Laser type	635 ± 5nm/Class 2 (IEC 60825-1)
Laser output power	20 mW

- when it has to be right



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Laser visibility	0.2 spectral efficiency
Drop resistance	1.64 ft
Battery type	NiMH rechargeable battery pack (or alkaline Type D 2 x 1.5V)
Operating time (NiMH)	Up to 12h continuous
Operating time (Alkaline)	Up to 10h continuous
Automatic shut-off	Not available
Protection class	IP54
Dimensions (L x W x H)	9.9 x 6.3 x 9.1 in
Weight with Li-Ion batteries	4.81 lbs
Operating temperature	+14 to +113° F
Storage temperature	-13 to +158° F
Tripod thread	5/8"
Scope of delivery	ML 180 XCR Catch Receiver NiMH battery pack, charger Alkaline battery tray Target plate Laser goggles Hard case Manufactures Certificate of Accuracy

*depending on lighting conditions