

General

Accuracy with favourable conditions *	1 mm / 0.04" ***
Accuracy with unfavourable conditions **	2 mm / 0.08" ***
Range with favourable conditions *	0.05 - 150m / 0.16 - 500ft ***
Range with unfavourable conditions **	0.05 - 80m / 0.16 - 260ft ***
Smallest unit displayed	0.1 mm / 1/32 in
X-Range Power Technology	yes
Laser class	2
Laser type	635 nm, <1 mW
∅ laser point at distances	6 /30 /60 mm 10/ 50/ 100 m
Tilt measuring tolerance to laser beam ****	± 0.2°
Tilt measuring tolerance to housing ****	± 0.2°
Tilt measuring range ****	360°
Protection class	IP65 (dust- and splash water protected)
Auto. laser switch off	after 90 s
Auto. power switch off	after 180 s
Bluetooth® Smart	Bluetooth® v4.0
Power of Bluetooth® Smart	0.71 mW
Frequency of Bluetooth® Smart	2400 - 2483.5 MHz
Range of Bluetooth® Smart	<10m
Battery durability (2 x AA)	up to 4000 measurements
Dimension (H x D x W)	132 x 56 x 29 mm 5.2 x 2.2 x 1.1 in
Weight (with batteries)	184 g/ 6.49 oz
Temperature range Storage Operation	-25 to 70°C/ -13 to 158°F -10 to 50°C/ 14 to 122°F

* favourable conditions are: white and diffuse reflecting target (white painted wall), low background illumination and moderate temperatures.

** unfavourable conditions are: targets with lower or higher reflectivity or high background illumination or temperatures at the upper or lower end of the specified temperature range.

*** Tolerances apply from 0.05 m to 10 m with a confidence level of 95%.

With favourable conditions the tolerance may deteriorate by 0.10 mm/m for distances above 10 m.

With unfavourable conditions the tolerance may deteriorate by 0.15 mm/m for distances above 10 m.

**** after user calibration. Additional angle related deviation of +/-0.01° per degree up to +/-45° in each quadrant.

Applies at room temperature. For the whole operating temperature range the maximum deviation increases by +/-0.1°.

Functions

Distance measuring	yes
Min/Max measuring	yes
Permanent measuring	yes
Stake out	yes
Addition/Subtraction	yes
Area	yes
Room angle	yes
Volume	yes
Painter function (area with partial measurem.)	yes
Pythagoras	3-point
Smart Horizontal Mode / Indirect height	yes
Level	yes
Memory	yes
Beep	yes
Illuminated colour display	yes
Bluetooth® Smart	yes
Personalized Favorites	yes
Timer	yes
Point to point function/ distance	yes *****
Smart Area	yes *****

***** In combination with Leica DST 360 adapter