



Designed for extremely fast measurements on low-reflectance, natural surfaces and much more.  
The LDS30 Laser Rangefinder: an amazing instrument.

Technical specifications	LDS30 series
Measurement capabilities	
Total range	From 0.2 m to 250 m
Range on target board	Special targets, e.g. Scotchlite Cube: from 10 m to 250 m
Range on natural surface, 10% reflectivity <sup>1</sup>	From 0.2 m to 30 m
Accuracy	± 50 mm
Repeatability	± 20 mm
Measured value resolution	1 mm
Measurement frequency, max.	30 kHz (binary output)   15 kHz (decimal or binary output)
Laser	
Wavelength	905 nm (invisible, near-infrared)
Divergence	3 mrad × 1 mrad
Class	Laser Class 1, EN 60825-1:2014
Connectivity and I/O options	
Interface options	RS-232, RS-422
Switching output	2× "high side", up to 0.2 A
Analog output	From 4 mA to 20 mA
Trigger	n/a
Measurement operation modes	Single, continuous
Connectors	12-pole M12 (Binder 713 series)
Display / Controls	n/a
Power	
Power supply	From 10V DC to 30V DC
Power consumption, max.	3W
Ambient conditions	
Operating temperature	From -20°C to +50°C
Storage temperature	From -40°C to +70°C
Humidity	From 10% to 90%, non-condensing
Integrated heating	No
Standards	
Shock / Vibration	DIN ISO 9022-3
Protection class	IP67
EMC	EN 61326-1
Physical	
Dimensions (L × W × H, incl. connectors)	86 mm × 45 mm × 45 mm
Weight	Approx. 125 g

<sup>1</sup> Measurement range for naturally diffuse reflecting surfaces, depending on target reflectivity, stray light, and environmental conditions.

