LDM300 laser distance meter MIL spec

LDM 300 MIL Laser Rangefinder OEM Module

Radiation wavelength – 905±10 nm

Error of distance measurement – ±1 m (±0.3 m by corner reflector)

Range of measured distances – from 20 m to 300 m

Power source – external DC source with the voltage of 6+0.5 V

Type of mount – Picatinny standard, optional

Interface for data exchange and remote control – RS-485

Overall dimensions – 95x45x30 mm

Weight – 0.18 kg

Operating temperature range – from minus 30 to plus 55 ºC

Rugged design for heavy duty industrial or MIL spec applications. Computer interface for external connection

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LDM300 laser distance meter MIL spec

Requirements		Comments
Wavelength	Eye safe	905 ±20nm, eyesafe class 3R
Operation Range	10-300 m	
Measurement Accuracy	Min. 0.5 m	
Input Voltage	18-32 VDC	
Interface	RS422	RS485 / converters available
Operating Temperature	-32°C +44°C	
Storage Temperature	-40°C +60°C	
Relative Humidity	Up to 95%	
Rain	MIL-STD-810G, Method 506.5, Procedure II	
Wind	70 km/h wind speed.	
	physically sturdy at 100 km/h wind speed while transportation	
Vibration	MIL-STD-810G, Method 514.6, Procedure I, Cathegory 20-a, Table 514.6C-IV, Figure 514.6C-2 (Land vehicles-trailers)	
Shock	20g 11ms triangle wave form (terminal) shock which is indicated at MIL-STD-810G, Method 516.6, Procedure I, Table 516.6- II.	
Low Pressure	Unit must be suitable to be operated at low pressure conditions which are defined at MIL-STD-810G, Method 500.5, Procedure I (Storage, temperature:-4,5 °C, pressure: 70,108 kPa [3000m], test duration: 1 hour)	
Dust	Unit must be suitable to be operated at dusty conditions which are defined at MIL-STD-810G, Method 510.5, Procedure I (providing the steps such as covering optical lenses or screens)	
Color	Green Color 34094 (having IRR and CARC properties) according to FED-STD-595B (given in MIL-DTL-53039 or MIL-DTL-64159).	

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