



LDM PRODUCT FAMILY

Eyesafe laser rangefinders

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EYE-SAFE LASER RANGEFINDERS

Originally designed for ruggedized use in vehicle-mounted observation platforms, today the LDM-Line of laser rangefinders also features prominently in aeroplanes and seagoing vessels.

LDM products determine distances by means of an OPO-shifted, eye-safe, solid-state laser. Compact and robust, these devices are exceedingly accurate rangefinders.

We have also developed a range of accessories for the LDM-Line that make it very easy to integrate and operate the devices in platforms. Based on basic devices LDM can be easily customized to better fit the desired application.

FEATURES & BENEFITS

- Long range
- High repetition rate
- Lightweight
- Compact
- Eye-safe
- Ruggedised
- Integrated BITE

ACCESSORIES:

- Bore sight camera
- Alignment tool
- Evaluation kit

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Optical data					
Laser Rangefinder	LDM 38	LDM 38-461	LDM 43	LDM 43-461	LDM 46
Laser type	OPO shifted Nd:YAG				
Wavelength	1570 nm				
Measuring rate	1 Hz continuous, 3 Hz burst				
Safety class	class 1 eyesafe				
Range resolution	1 m				
Range accuracy	±5 m				
Measuring range	50 m - 40,000 m				
Multiple target resolution	≤20 m				
Features	First echo/last echo/range gate				
Extinction	38 dB		43 dB		46 dB
Boresight collimator	660 nm				
Electrical data					
Power supply	18 - 32 V DC				
Interface	RS-422, RS-485 or CAN open				
Mechanical data					
Dimensions (WxHxL)	114x74x123 mm	115x75x164 mm	114x74x123 mm	115x75x164 mm	114x74x123 mm
Weight	1.5 kg	1.8 kg	1.5 kg	1.8 kg	1.5 kg
Ambient conditions					
Temperature	-35°C to +63°C				
Environmental test	MIL-STD-810				
EMI/EMC Test	MIL-STD-461/462		MIL-STD-461/462		
Power supply	RTCA DO-160 MIL-STD-704 MIL-STD-1275		RTCA DO-160 MIL-STD-704 MIL-STD-1275		

