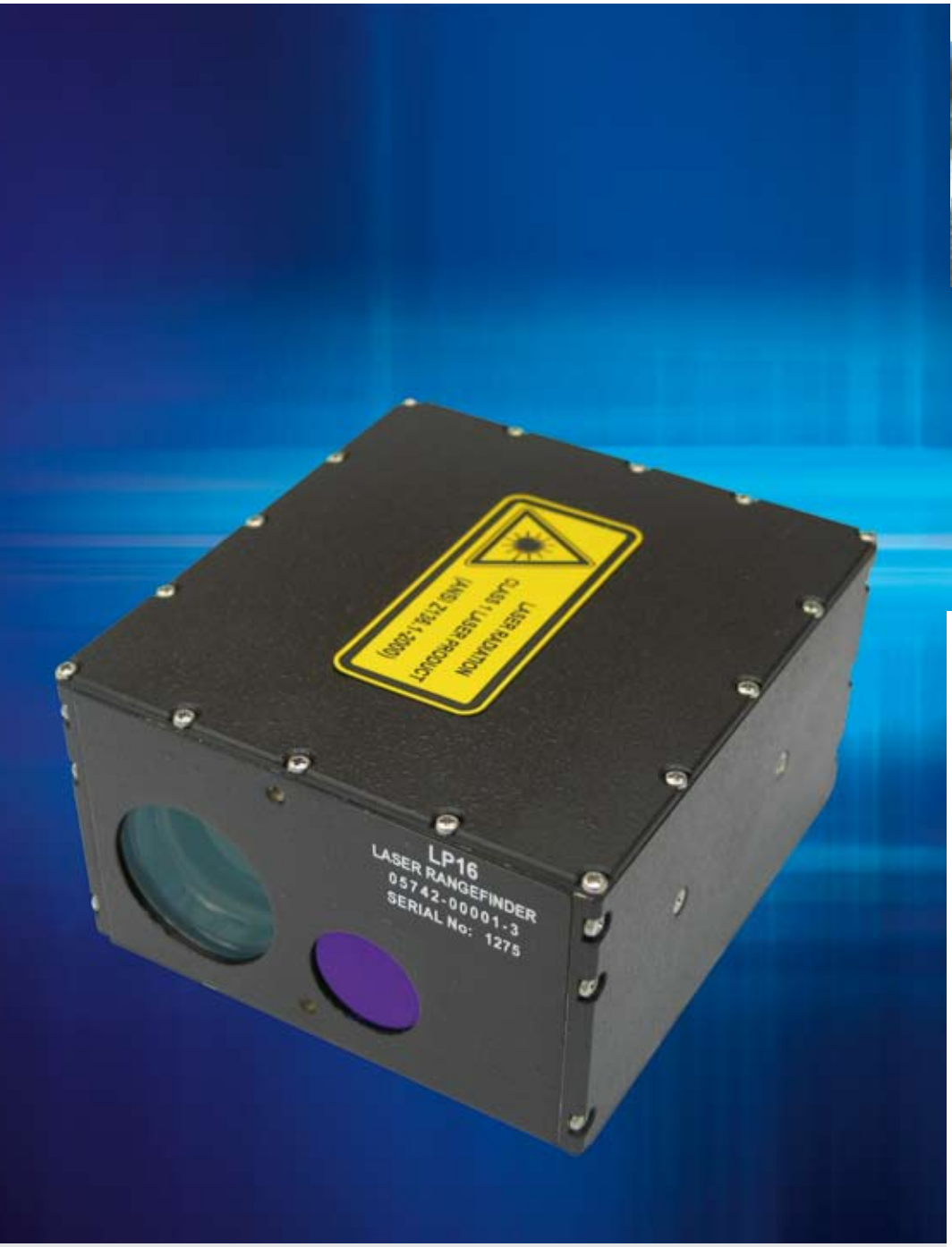
LP16
Eyesafe Laser Rangefinder Module



Features

- Compact design
- Range up to 20 km
- Eyesafe
- For airborne, maritime and land-based applications

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LP16

Description

The LP16 is an eyesafe laser rangefinder module designed for integration in airborne, maritime and land-based optronic observation systems, border surveillance and border control systems. Its key features are low mass, compact size and high performance.

Range measurement is achieved using single-pulse, erbium-glass laser technology operating at an eyesafe wavelength of 1.54 µm.

The system is equipped with an external communication connector, enabling remote operation and output of electronic ranging information for further processing and display.
The LP16 can be mounted into any observation system via its precision rear mounting interface. The LP16 features a boresight LED, visible through the receiver window, to facilitate integration.

Applications

- Airborne observation systems
- Vehicle-mounted reconnaissance systems
- Land-base surveillance systems
- Maritime surveillance systems
- Border surveillance
- Border control systems

Technical data

Measuring range	80 m to 20,000 m
Range resolution	5 m
Standard measuring rate	1 measurement every 6 seconds
Fast measuring rate	1 measurement every second for 6 pulses @ > 28 Vdc
Multiple targets	First, second and last target
Target discrimination	50 m
Laser type	Erbium glass, 1.54 µm
Safety class	Class 1 according to ANSI Z136. 1–2000 Class 1M according to IEC 60825-1 Ed 1.2 of 2001-08
NOHD (nominal ocular hazard distance)	0 m
External power	9–33 Vdc
Operating temperature	-30°C to +65°C
Storage temperature	+40°C to +70°C
Mass	< 1 kg
Size	125 mm (L) x 110 mm (W) x 70 mm (H)
Interface	RS422

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