



LP16 Laser Rangefinder	
(05742-00001)	
Part No.	10152029
Batch No.	40173631
Wdg Date.	02/2006
WOD	1 2 3 4 5 6 7 8 9

**LP 16**  
Eyesafe laser rangefinder



## LP 16

LP16 is an eyesafe laser rangefinder module designed for integration into airborne, maritime, land-based 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 technology operating at an eyesafe wavelength of 1,54  $\mu\text{m}$ .

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 laser feature a boresight LED visible through the receiver window to facilitate integration.



### Applications

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

Technical data	LP 16
Laser type	Erbium glass
Wavelength	1,54 $\mu\text{m}$
Safety Class	Class 1M according to IEC 60825-1 ED 2 of 2007-3
Measuring range	80 m to 20 000 m
Range resolution	5 m
Range accuracy	$\pm 10$ m
Extinction	37dB (*)
Standard measuring rate	1 measurement every 6 seconds
Fast measuring rate	1 measurement every second for 6 pulses at supply voltage of > 28V
Multiple targets	First, second and last target.
Target discrimination	50 m
Nominal ocular hazard distance (NOHD)	0 m
External power	9-32 V DC
Operating temperature	-30 °C to +65 °C
Storage temperature	-40 °C to +70 °C
Mass	< 1 kg
Size (L x W x H)	125 x 110 x 70 mm
Interface	RS422

\*) target at 500 m, reflection = 100 %, visibility  $\geq 10$  km, probability 50%

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