

## LP 19D

Eyesafe laser rangefinder

## LP 19D



- Airborne observation systems
- Border surveillance
- Border control systems

The LP19D is an eye-safe laser rangefinder module designed for integration into compact OEM systems. It is ideally suited for handheld, maritime and land-based observation systems.

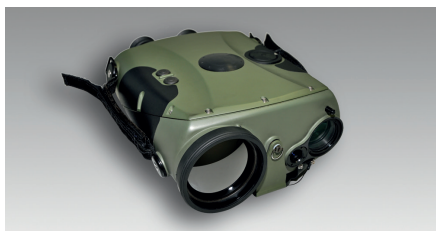
It incorporates state-of-the-art diode-pumped technology which provides accurate range performance in an extremely compact unit that weighs less than 200 g.

Range measurement is achieved using single-pulse Erbium-glass laser technology that operates at an eye-safe wavelength of 1.54  $\mu\text{m}$ .

The module is equipped with an external communication connector enabling remote operation and output of electronic ranging information for further processing and display.



- Maritime surveillance systems
- Vehicle-mounted reconnaissance systems
- Land-based surveillance systems



- Handheld targeting systems

Technical data	LP 19D
Laser type	Erbium glass
Wavelength	1.54 $\mu\text{m}$
Safety Class	Class 1 according to ANSI 136.1-2007 and IEC 60825-1 ED 2 of 2007-3
Measuring range	50 m to 12 000 m
Range resolution	2 m
Range accuracy	$\pm 5$ m
Extinction	31dB (*)
Measuring rate	1 pps continuous
Multiple targets	First, second and last target.
Target discrimination	30 m
Nominal ocular hazard distance (NOHD)	0 m
External power	10-33 V DC
Operating temperature	-40 °C to +70 °C
Storage temperature	-40 °C to +70 °C
Mass	< 200 g
Size (L x W x H)	87 x 45 x 35 mm
Interface	RS422, RS232

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

### CASSIDIAN

CASSIDIAN OPTRONICS (Pty) Ltd.  
A Cassidian and Carl Zeiss company  
Nellmapius Drive  
Irene, Centurion, 0157  
South Africa  
Telephone: +27 12 674 0215  
Fax: +27 12 674 0280  
e-mail: [info@cassidian-optronics.com](mailto:info@cassidian-optronics.com)

[www.cassidian-optronics.com](http://www.cassidian-optronics.com)



### Distributor

International Defense & Security Solutions, Inc.  
140B Purcellville Gateway Dr. #518,  
Purcellville VA 20132, USA  
Phone: 1.540.751.0753 Fax: 1.571.699.2466  
[info@idssi.com](mailto:info@idssi.com)