

# PLDR-III (SERPENT)

Portable Lightweight Designator / Rangefinder  
For Laser-Guided Munitions



## Main Advantages & Features

- Very compact and lightweight system based on state-of-the-art, diode pumped technology
- "Single soldier" portable system
- Increased designation range
- Reduced lifecycle costs, increased system uptime
- Passive cooling for high reliability and silent operation
- Reduced battery consumption
- Ruggedized, to meet and exceed harsh environmental conditions IAW MIL-STD-810
- Standard external rails for add-on devices

## Applications

- Close Air Support (CAS) designation and ranging missions
- Forward Observers (FO) operation
- Forward Air Control (FAC) missions

# ELOP PLDR-III

## Portable Lightweight Designator / Rangefinder For Laser-Guided Munitions

### Main Modules

- Designator head
- Pan & tilt head
- Tripod
- Battery



### Technical Data

Designation range			
- Tank target	>5 km		
- Large target	>9 km		
Rangefinder performance			
- Minimum range	250 m		
- Maximum range	10,000 km		
Range accuracy	5 m		
Range logic	First, last, range gate		
Laser characteristics			
- Wavelength	1.064 $\mu\text{m}$		
- Beam divergence	0.25 mRad (typical)		
Sighting system			
- Objective diameter	45 mm		
- Direct view mag.	x 8		
- Field of View (FOV)	5.6°		
- Digital Data display			
		Control Panel	
		- Keyboard User Interface and Display	
		Designator head	
		- Weight	< 5 Kg
		- Dimensions	370 x 280 x 180 mm
		Option:	
		3-5 $\mu\text{m}$ Thermal Imaging Camera/Sight for Ground Laser Designators with 1.06 $\mu\text{m}$ "See Spot" Capability and Built in Communication.	



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