

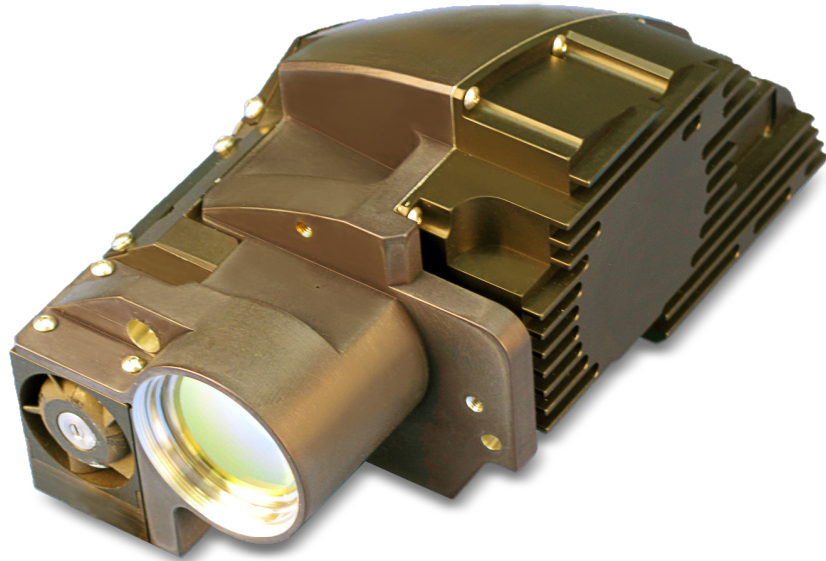
MLD MINIATURE LASER DESIGNATOR



Compact Laser Designator



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PRODUCT OVERVIEW

The MLD is L-3 ALST's next-generation of Diode-Pumped, low-profile laser designators for users demanding high performance in a very compact package. Weighing less than 1.8 pounds, the high-output energy and low-beam divergence provides a powerful capability for multiple system solutions.

FEATURES

- 30 to 80 mJ laser energy output @ 1064 nm
- Lightweight < 1.8 lb.
- Dimensions 5.7 in. L x 3.1 in. W x 3.1 in. H (irregular)
- Diode-Pumped technology for longer life
- Operating temperature -40 °C to + 71 °C
- External sync input
- Single connector interface
- NATO I, II, STANAG 3733 code compliant





Compact Laser Designator

SYSTEM SPECIFICATIONS

Laser Type	Diode-Pumped Nd: YAG
Communication Protocol	RS-422, RS-232 and RS-485
Input Voltage	12 to 28 VDC $\pm 0.5\%$
Power Consumption	< 80 W
Weight	< 800 gm / < 1.8 lb.
Dimensions	5.7 in. L x 3.1 in. W x 3.1 in. H (irregular)
Operating Temperature	-40 °C to +71 °C
Environmental Standards	IAW MIL-STD-810G
Laser Class	Class 4

DESIGNATOR LASER SPECIFICATIONS

Wavelength	1064 nm
Pulse Width	16 (± 5) ns
Beam Divergence	$\leq 300 \mu\text{rad}$
Energy Output	30 to 80 mJ
Pulse Repetition Rate*	9 to 20 Hz externally codeable

* Compatible with all U.S. and NATO Laser Guided Munitions.

ABOUT L-3 ALST

Part of L-3 Communications, a global leader in defense technologies and services, Advanced Laser Systems Technology (ALST) is a full-service designer and manufacturer of military grade Eye-Safe Laser Range Finder, Laser Designator, and Multi-Function Laser systems.

An ISO 9001 certified quality organization, L-3 ALST has a quarter century of successful performance, providing system integrators and primes with open-frame OEM modules and housed LRUs (line replaceable units) in a variety of configurations.

L-3 ALST's products are listed under category XII(b) of the United States Munitions List. International Traffic In Arms Regulations (ITAR) requires a valid export license prior to technical or hardware shipments or transmissions of information.

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