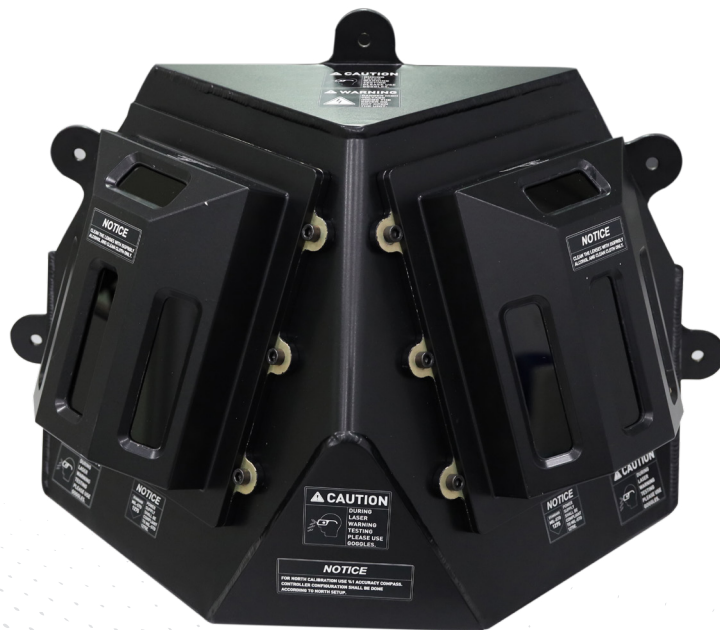




AR-LDS 15 Laser Detector Sensor



AR-LDS 15 LASER DETECTOR SENSOR

- Laser detectors detect, classify and determine 24 different Laser code and frequencies of laser-guided antitank threats within 50 milliseconds.
- It is safeguarded against false alarms such as sunlight, remote controller, artificial-fake light, hand laser as per NATO AEP 3733 standards. It has successfully passed high temperature, low temperature, high humidity, shock-vibration and EMI/EMC tests as per MIL STD 810H, MIL STD 461F and MIL STD 1275E standards.
- It determines threat identity and priority by comparing threat parameters with the threat data included in mission data folder which would be previously loaded to the system.
- This mission data folder can always be updated and the threat classes included can be increased.

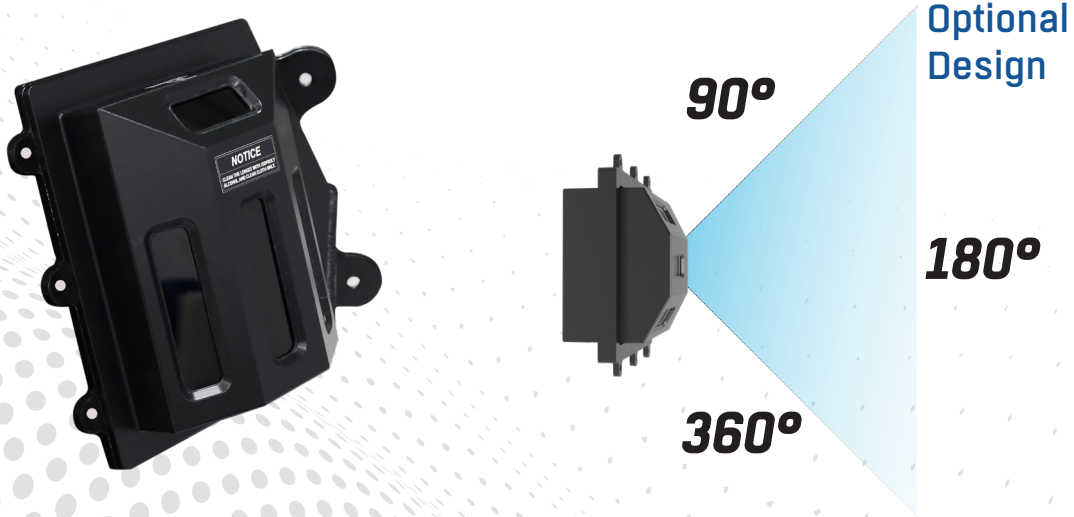
GENERAL SPECIFICATIONS

» Response Time	Max. 500ms
» Threat Classification	Laser Distance Meter (LDM) Laser Target Designator (LTD) Laser Guidance Beam (LGB)
» Detection Possibility	LDM (Band I-II-III): %95 LTD (Band I-II-IV): %95 LGB (Band III-IV): %99
» Detection Sensitivity	10-20 (W/m ²)
» Vertical Section Sight Range	(-20 °) – (+ 70 °)
» Total Azimuth Visual Angle	90° / Unit
» Communication System	Canbus (J-1939)
» Water and dust ingress protection	IP67
» Operating Temperature	-40°C / +60°C
» Storage Temperature	-55°C / +85°C
» Salt Fog Resistance	800 hours
» Laser Detection Resolution	15°
» Power Consumption	120 mA ±50 mA @24 VDC Nominal
» Weight	1.8 ±0.5 kg
» False Alarm	<0,2/hour

TECHNICAL SPECIFICATIONS

LASER BANDS		LDM	LTD	LGB
Band I	0.5 μm - 1.1 μm	+	+	
Band II	1.1 μm - 1.65 μm	+	+	
Band III	0.8 μm - 1.1 μm			+
Band IV	8-12 μm	+	+	+

INCIDENCE ANGLE MEASUREMENT SENSITIVITY		
Band I	Horizontal Axis	$\leq 15^\circ$ (rms)
	Vertical Axis	$\leq 15^\circ$ (rms)
Band III	Horizontal Axis	$\leq 15^\circ$ (rms)
	Vertical Axis	$\leq 15^\circ$ (rms)
Band III	Horizontal Axis	$\leq 15^\circ$ (rms)
	Vertical Axis	$\leq 15^\circ$ (rms)
Band IV	Horizontal Axis	$\leq 25^\circ$ (rms)
	Vertical Axis	$\leq 25^\circ$ (rms)



AR-LDS 15 KONTROL UNIT



- **AR-LDS 15 control unit** which can control Laser Warning system and smoke grenade system, can switch between laser and smoke grenade system menus easily thanks to its touch screen.
- Laser warning system transmits:
 - Sensor status
 - Angle of detected laser
 - Class
 - Band options to the user.
- Control unit with digital screen, provides easy use for the user by displaying on-vehicle schematic on the screen.

GENERAL SPECIFICATIONS

» Laser warning system control capability	» Power Consumption: 24 VDC nominal (16-32 V)
» Opportunity to control laser warning system and smoke grenade automatically and switch between systems	» Dimensions: 180x155x116 ±5 mm
» Capability to control up to 16 smoke grenades	» Weight: Control Unit: 1.9 ±0.3 kg
» Built-In Test Function (BIT)	» IP67 Water and Dust Ingress Protection
» Capability to detect and control two different types of smoke grenades	» Production as per IPC-A-610G Class 3 Standards PC
» Communication Interface: CAN-BUS	» Storage Temperature: -55°C / +85°C
» Operating Temperature: -32°C / +49°C	» Capability to Communicate with Other Systems

BUTTON SPECIFICATIONS



1. MAIN SCREEN	5. The Test button is reserve right now.
2. The alarm could clear by using Fn + Alarm reset buttons.	6. BIT Button
3. You will change mode from Battle to Peace.	7. Activates function.
4. You will go into the Button Config.	8. Info button.

