

LW 1000 LASER DETECTOR SENSOR



- Laser detectors detect, classify and determine 24 different Laser code and frequencies of laser-guided antitank threats within 50 milliseconds. Besides, LW1000 can detect more than one threats simultaneously.
- It is safeguarded against false alarms such as sunlight, remote controller, 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.

TECHNICAL SPECIFICATIONS

» Wave Length Range Band I	0.5 μm - 1.1 μm
» Wave Length Range Band II	1.1 μm - 1.65 μm
» Wave Length Range Band III	0.8 μm - 1.1 μm
» Wave Length Range Band IV	8-12 μm (optional)
» 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	100° / 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	$\pm 1^\circ$
» Power Consumption	120 mA \pm 50 mA @24 VDC Nominal
» Weight	1.8 \pm 0.5 kg