

**"Critical Alert,
Immediate Response."**

**TACTICAL WEARABLE LASER
WARNING SYSTEM TWL-200**



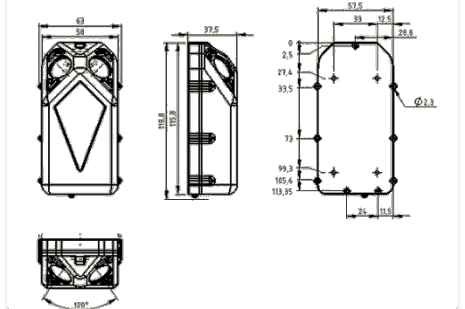
TACTICAL WEARABLE LASER WARNING SYSTEM TWL-200

In today's operating environment, where the dynamics of modern warfare and security are in constant flux, the TWL-200 Wearable Laser Warning System is an innovative solution engineered to enhance military personnel safety and operational effectiveness against laser threats. Using an advanced sensor architecture, it performs real-time laser detection and provides the operator with superior tactical situational awareness.

Category	Information	Laser Types	Wavelengths
General Description	The Wearable Laser Warning System detects laser-based rangefinding, targeting and guidance systems, alerting personnel and delivering immediate, reliable information on the type and direction of the threat.	Military Lasers	All laser threats within the 700–1700 nm range
Detection Wavelength	700–1700 nm	Range Finders	All laser threats within the 700–1700 nm range
Detection Sensitivity	≥100 μW/cm²		
Response Time	<10 ms	Warning Mechanisms	Details
Detection Range	5 km +	Audio Alert	Distinct tones based on threat direction and type
Field of View	Horizontal ≈180° / Vertical ≈90°	Vibration	Distinct vibration patterns based on threat direction and type
Dimensions	120 × 63 × 37.5 mm	Visual Alert	ModesDs
Weight	<300 g (including battery)	Alert Modes	Silent, Vibration, Sound + Vibration, Sound Only
Durability	IP68 / IP69K		
Operating Time	≥24 hours	Safety & Testing	Details
Log Capacity	5000 events (threat alarm, wavelength, pulse repetition frequency, friend/foe identification, time/date information)	Built-in Test (BIT)	Self-test and calibration of internal optical sensors
Directional Alerts	Real-time direction finding and rapid notification	Safety Measures	Protection against misuse of sensitive technologies
Power Source	Built-in rechargeable battery		
Battery Life	24 hours of continuous operation		
Integration	UART / RS485, Bluetooth		
Compliance	NATO STANAG-3733, MIL-STD 461, MIL-STD 810		



Advantages	
Early warning → survival advantage	✓
Detection of infrared laser threats	✓
Tactical superiority through threat direction finding	✓
Lightweight, compact, easy integration	✓
Durability under harsh field conditions	✓



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