

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



## TACTICAL WEARABLE LASER WARNING SYSTEM TWL-200



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In today's dynamic operational environments, where the nature of modern warfare and security threats is constantly evolving, the TWL-200 Wearable Laser Warning System provides reliable protection against laser-based threats. Engineered with advanced sensor architecture, the TWL-200 ensures real-time detection and classification of laser emissions, giving operators superior tactical awareness and faster decision-making capability in the field.

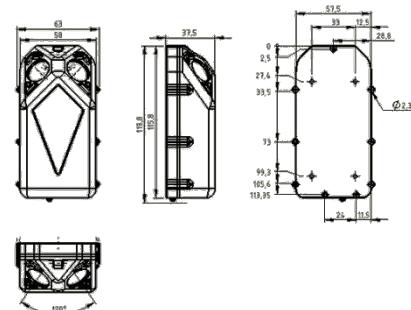
Specification	Information
<b>General Description</b>	The Wearable Laser Warning System detects laser-based rangefinding, targeting, and guidance sources, providing immediate and reliable information to personnel about the type and direction of the threat.
<b>Detection Wavelength</b>	700–1700 nm
<b>Detection Sensitivity</b>	≥100 μW/cm <sup>2</sup>
<b>Response Time</b>	<10 ms
<b>Detection Range</b>	5 km +
<b>Field of View</b>	Horizontal ≈180° / Vertical ≈90°
<b>Dimensions</b>	120 × 63 × 37.5 mm
<b>Weight</b>	<300 g (including battery)
<b>Durability</b>	IP68 / IP69K
<b>Operating Time</b>	≥24 hours
<b>Log Capacity</b>	5000 events (threat alarm, wavelength, pulse repetition frequency, friend/foe identification, time/date information)
<b>Directional Alerts</b>	Real-time direction finding and rapid notification
<b>Power Source</b>	Built-in rechargeable battery
<b>Battery Life</b>	24 hours of continuous operation
<b>Integration</b>	UART / RS485, Bluetooth
<b>Compliance</b>	NATO STANAG-3733, MIL-STD 461, MIL-STD 810

Laser Types	Wavelengths
<b>Military Lasers</b>	All laser threats within the 700–1700 nm range
<b>Range Finders</b>	All laser threats within the 700–1700 nm range

Warning Mechanisms	Details
<b>Audio Alert</b>	Different tones depending on the direction and type of threat
<b>Vibration</b>	Different vibration patterns depending on the direction and type of threat
<b>Visual Alert</b>	RGB LEDs
<b>Alert Modes</b>	Silent, Vibration, Sound + Vibration, Sound Only

Safety & Testing	Details
<b>Built-in Test (BIT)</b>	Self-test and calibration of internal optical sensors
<b>Safety Measures</b>	Protection against unauthorized use or misuse of sensitive technologies

Advantages	
Early warning → survival advantage	✓
Detection of infrared laser threats	✓
Directional threat detection for tactical superiority	✓
Lightweight, compact, easy integration	✓
Rugged design for harsh field conditions	✓



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For more information, please contact us.