

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

TACTICAL WEARABLE LASER WARNING SYSTEM TWL-200



TACTICAL WEARABLE LASER WARNING SYSTEM TWL-200

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
General Description	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.
Detection Wavelength	700–1700 nm
Detection Sensitivity	≥100 μW/cm²
Response Time	<10 ms
Detection Range	5 km +
Field of View	Horizontal ≈180° / Vertical ≈90°
Dimensions	120 × 63 × 37.5 mm
Weight	<300 g (including battery)
Durability	IP68 / IP69K
Operating Time	≥24 hours
Log Capacity	5000 events (threat alarm, wavelength, pulse repetition frequency, friend/foe identification, time/date information)
Directional Alerts	Real-time direction finding and rapid notification
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

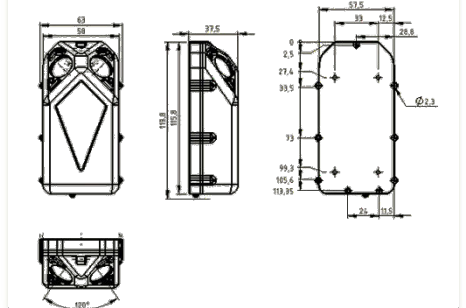
Laser Types	Wavelengths
Military Lasers	All laser threats within the 700–1700 nm range
Range Finders	All laser threats within the 700–1700 nm range

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

Safety & Testing	Details
Built-in Test (BIT)	Self-test and calibration of internal optical sensors
Safety Measures	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	✓



06.18.2022 REV2/CODE:NE-INF-114/NERO