



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	
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

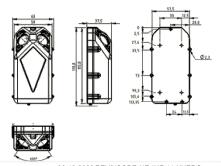
Warning Mechanisms	Details
Audio Alert	Different tones depending on the direction and type of threat
Vibration	Different vibration patterns depending on the direction and type of threat
Visual Alert	RGB LEDs
Alert Modes	Silent, Vibration, Sound + Vibration, Sound Only

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