

Eave NoiseWarden™

Smart Noise Monitor

Real-time, Body-worn, and Environmental Noise Monitoring Solution



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The NoiseWarden™ is an advanced sound level monitoring device, leveraging cutting-edge MEMS technology for accurate noise measurement across multiple environments. It provides a robust solution for monitoring occupational and environmental noise, ensuring compliance with workplace safety standards.

Compatible with Eave Peak™ and Eave HealthWatch™.

Technology and Benefits

Technology	Benefits
Multimode Operation	Body-worn dosimeter, static environmental noise monitor, and handheld noise level meter in one device
Measurement and Compliance	Provides A- and C-weighted frequency responses for comprehensive noise analysis, with fast, slow, and impulse response options to capture noise fluctuations accurately.
Bluetooth and 4G Connectivity	Enables real-time data transmission for immediate insights and response.
Compatibility and Connectivity	Seamlessly integrates with Samsung Knox™ for secure enterprise management, and syncs with Eave HealthWatch™ for live noise mapping on smart devices.

Technical Specifications

Microphone Specifications	
Sound Measurement Range	30 dB to 130 dB
Accuracy	IEC 61672-1 Class 2
Frequency range	40 – 10,000Hz
Operating Temperature Range	-10°C to +50°C
Electromagnetic Compatibility	Compliant with IEC 61672-1:2002, IEC 61672-2:2003, and EN 61000-6-1 standards

Applications

Construction and Industrial Worksites: Compliance monitoring for section 61 noise limits and high-noise machinery.

Public and Private Sector Compliance: Noise ordinance enforcement, environmental health assessments, and live logging.

Portable and Stationary Monitoring: Adaptable for both on-body and environmental noise assessments with optional tripod and body mount.

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Variants and Accessories

Connectivity
Bluetooth (BLE)
Bluetooth (BLE) + Cellular 4G (LTE)
Accessories
Tripod for environmental monitoring
Base plate zip tie mount for environmental monitoring
Solar power pack
Body mount for personal monitoring
Handle attachment and phone mount for handheld noise level monitoring