

# **QUAKE**LOGIC

## Disaster Risk Management Solutions

### **QL-WNS-01: INFRASOUND SENSOR WIND NOISE SCREEN**



Photo Credit: USGS

### **Product Description**

Introducing our Infrasound Sensor Wind Noise Reduction Screen, designed to enhance the accuracy and reliability of infrasound measurements by mitigating wind noise and environmental interference.

This innovative wind noise screen features a 45-degree octagonal metal frame, thoughtfully constructed to provide optimal protection without compromising sensor sensitivity.

The frame is equipped with a high-quality screen, meticulously taped at the rivets to prevent corrosion and ensure long-term durability against harsh weather conditions.

### **Key Specifications**

**Design:** The wind screen boasts an octagonal shape with a 45-degree orientation, engineered for maximum efficiency in wind noise reduction. This design minimizes wind-induced disturbances, allowing for clearer infrasound signal detection.

**Material:** Constructed from durable metal, the frame provides sturdy support for the screen, ensuring it maintains its shape and effectiveness over time. The choice of materials is aimed at ensuring longevity and reliability in various environmental conditions.





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while providing the necessary functionality.

**Screen:** The screen is securely attached to the metal frame, with special attention given to the areas around rivets. Each rivet is carefully taped to prevent corrosion, a critical feature that extends the lifespan of the wind screen by protecting against rust and degradation.

**Weatherproofing:** To further enhance its durability, the entire screen undergoes a thorough weatherproofing process. The taping at the rivets not only prevents corrosion but also contributes to the wind screen's ability to withstand diverse weather conditions, from heavy rain to extreme sunlight.

**Paint Finish:** The wind screen is painted in a subtle brown shade, selected for its natural compatibility with a wide range of outdoor environments. This aesthetic consideration ensures that the device blends seamlessly into its surroundings.

**Application:** Ideal for use in a variety of settings, from research and monitoring stations to environmental assessment projects. The wind screen's robust construction with welded rings at the base, and thoughtful design make it a reliable choice for easy deployment and enhancing infrasound sensor performance.

### Benefits

**Enhanced Signal Clarity:** By reducing wind noise, the wind screen significantly improves the quality of infrasound data collected.

This Infrasound Sensor Wind Noise Screen is an essential accessory for any infrasound monitoring setup, designed to ensure accurate data collection while withstanding the challenges of outdoor environments.

### Contact Us Today

To learn more about how our infrasound monitoring solutions, reach out to our team of experts at [sales@quakelogic.net](mailto:sales@quakelogic.net) to discuss your specific needs and requirements.

