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Multi-Device Connectivity: Up to 128 devices on a single RS485 bus.

This IPX8 Waterproof Vibration Sensor Transducer is designed for demanding structural health monitoring applications, providing precise measurements across 3axis (XYZ) vibration displacement (up to 2000 μ m), velocity (up to 50 mmrotational /s), and amplitude (180°).

Built to withstand harsh conditions, this sensor features a robust, waterproof IPX8-rated enclosure for durability and reliability in challenging environments.

It utilizes Modbus RTU communication, ensuring seamless integration with a variety of monitoring systems. Ideal for applications requiring high-accuracy, long-lasting, and rugged monitoring solutions, this sensor is a reliable choice for continuous structural health analysis.

It comes with free QL-VISIO software for easy dashboard management and supports various output data formats like ASCII, CSV, and MAT. The QL-MINI is ideal for those needing accurate, reliable, and longlasting measurement solutions.

QL-MINI-SHM

Digital Displacement, Velocity and **Inclinometer Sensor**

High Performance KEY FEATURES

Real-time monitoring and data storage for displacement, speed, and amplitude on all three axes (X, Y, Z).

Robust Design

Durable aluminum housing with IP68-rated waterproof and dustproof protection. Equipped with high-quality shielding cable for prolonged durability in harsh environments.

Industrial-Grade

Integrated with a high-performance fusion algorithm for accurate and stable data output. Low noise level enhances measurement accuracy.

Installation Flexibility

Comes with two installation options - magnetic attachment for quick setup or threaded mounting for permanent installation. Designed for stability and ease of removal.

Application Versatility

Suitable for monitoring various rotating machinery such as motors, pumps, fans, turbines, mills, compressors, and centrifuges to prevent damage and economic losses due to early detection of wear, imbalance, or misalignment.

Worry Free Support

Includes a 12-month warranty and lifetime customer service from the OUAKELOGIC team.

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Ideal for Use Cases Including:

- Structural Health Monitoring (SHM)
- Real-Time Vibration Analysis for Preventative Maintenance
- Machinery Health and Condition Monitoring

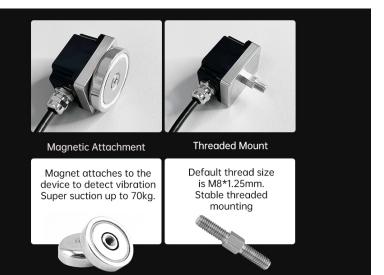
Output Data Types:

- 3-axis velocity
- 3-axis inclination angle,
- 3-axis vibration displacement, and
- temperature.



Installation Options

Magnetic attachment or threaded mount Super stable, easy to install and remove



This datasheet can be reviewed or updated without notice