

Adventum Tech service: QuakeControl

Sensors: QuakeControl

Analytics: Liveload.app

Price is subject to project-specific parameters



The offer includes:

1. QuakeControl sensor system
2. Wireless monitoring of construction site vibrations and environmental impacts
3. Real-time notification system for exceeded vibration limits
4. Access to **Liveload.App** system for vibration analytics
5. Adventum Tech technical support
6. On-site delivery and sensor installation
7. Travelling costs
8. Base station and Data plan
9. Monthly Liveload.app subscription fee



QuakeControl

Technical Datasheet



Product Overview

QuakeControl is an advanced wireless monitoring system designed by Adventum Tech to measure and track vibrations and environmental impacts on construction sites. The system provides real-time monitoring and instant notifications when vibration values exceed predefined limitations, enabling stakeholders to take immediate action when necessary.

Why Monitor Construction Vibrations?

Monitoring construction site vibrations is crucial for:

- Ensuring compliance with local regulations and standards
- Protecting adjacent structures from potential damage
- Documenting vibration levels for liability protection
- Optimizing construction activities to minimize environmental impact

Key Features

- **Comprehensive Monitoring:** Continuous tracking of vibration levels and particle movement
- **Real-Time Alerts:** Immediate notification when vibration values exceed preset limits
- **Advanced Analytics:** Automatic data processing through liveload.app platform
- **Secure Data Management:** All data stored and analyzed through the liveload.app interface



Technical Specifications

Parameter Details:

- Measurement Range: 3.5 x 9.8 m/s²
- Precision: 1%
- Signal Intensity: Customer specific
- Protocol: LoRa
- Data Transmission: Lora or 4G, Wireless, LTE
- Frequency: 868 MHz

Physical Specifications:

- Dimensions: 120 x 110 x 160 mm
- Weight: 850 g
- Battery Type: Li-ion, rechargeable
- Battery Life: 1 year

Available Accessories:

- LED Display
- PV Panel
- Extended Battery
- Digital Thermocouple

Benefits of QuakeControl

Technical Benefits

- Real-time vibration monitoring
- Early warning system for excessive vibrations
- Improved site safety
- Enhanced quality assurance

Commercial Benefits

- Reduced risk of damage claims
- Optimized construction activities
- Enhanced reputation
- Insurance benefits
- Competitive advantage in tendering



Environmental Benefits

- Reduced environmental impact
- Better community relations
- Documented compliance with regulations

Software Integration

QuakeControl data is seamlessly integrated into **liveload.app**, offering:

- Real-time data visualization and analysis
- Secure, cloud-based storage
- Project-specific dashboards
- Exportable reports for documentation
- Compliance monitoring

About Adventum Tech

Adventum Tech delivers cutting-edge wireless real-time monitoring solutions for the construction industry. With extensive global experience, Adventum Tech understands the end customers' needs, offering comprehensive, turn-key solutions that improve quality, safety, and efficiency.

Contact Adventum Tech

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