



CAMPBELL ASSOCIATES
SOUND, VIBRATION & AIR SOLUTIONS

AVATRACE VIBRATION MONITOR



KEY PRODUCT SPECIFICATIONS



THREE-AXIS SENSING
PPV Tri-Axial Geophone



LONG-LIFE BATTERY
Up to 8 Months



SIMPLE OPERATION
One-Button Start



FREQUENCY WAVEFORMS
Detailed Event Analysis



REMOTE CONNECTIVITY
Multi-Band Cellular Modem



CLOUD REPORTING
Real-Time Alerts & Reports

Built for Remote Vibration Monitoring. Long battery life. Real-time reporting.

The **AvaTrace AVA-M90** is a robust, low-power vibration monitor designed for construction, demolition and quarry environments. Its tri-axial geophone captures reliable PPV data, while cellular connectivity and Sonitus Cloud reporting provide real-time visibility and alerts from remote locations. Continuous monitoring and automated reporting help simplify compliance and stakeholder communication.

DESIGNED FOR REMOTE SITE MONITORING

Suitable for construction, groundworks, tunnelling and quarry applications where continuous vibration monitoring and rapid response to threshold breaches are essential.

The **AvaTrace** combines simple button operation with up to eight months of battery life and flexible wall or ground mounting for efficient long-term deployment.



TECHNICAL SPECIFICATIONS



TRI-AXIAL GEOPHONE
PPV Measurement



0–250 mm/s
Measurement Range



UP TO 200 m
Cable Range



–20°C TO +50°C
Operating Temperature



UP TO 8 MONTHS
Battery Life



MULTI-BAND CELLULAR MODEM
Reliable Connectivity



POWER & DEPLOYMENT

Built for quick installation, long-term use and reliable outdoor operation.

- **Up to 8 months** battery life
- **Replaceable battery set**
- **Simple button** operation
- **Wall or ground** mounting
- **Up to 200 m** cable range
- **Weatherproof** outdoor design

MONITORING & ANALYSIS

Accurate vibration data for clear site monitoring and rapid response.

- **Tri-axial geophone** PPV measurement
- **0–250 mm/s** measurement range
- **Frequency waveforms** for event analysis
- **Colour-coded 5 m cable** for simple setup
- **Integrated spirit level** for precise mounting
- **Real-time threshold** alerts

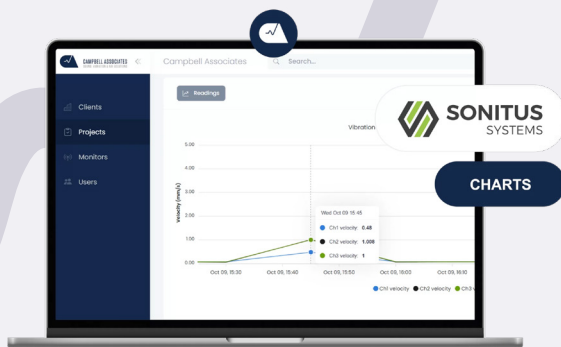
REMOTE MANAGEMENT / CLOUD

Access live data, alerts and reports remotely through Sonitus Cloud.

- **Real-time cloud access**
- **SMS and email** alerts
- **Power-loss and low-battery** alerts
- **Connectivity issue** notifications
- **Scheduled or on-demand** reports
- **Word or OpenOffice** reports
- **Calendar view** for trend analysis

APPLICATIONS

Construction
Groundworks
Demolition
Tunnelling
Quarry monitoring



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