

VIMMS VIBRATION MONITOR

Wireless triaxial vibration monitor for blasting and construction

PRODUCT OVERVIEW

The VIMMS Vibration Monitor is a modern wireless system for monitoring vibrations from blasting and construction work in accordance with **NS 8141**. The system combines a robust wireless logger with mobile IoT connectivity, a separate triaxial accelerometer sensor unit, and the cloud-based ALARMS platform.

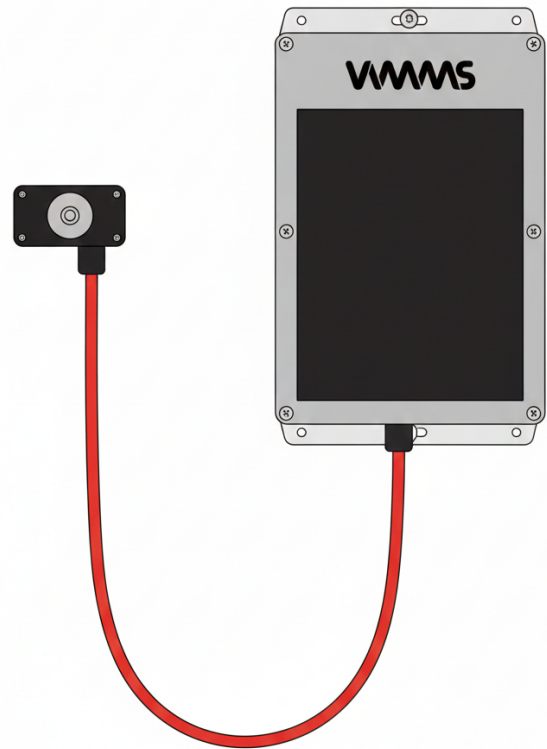
The sensor measures acceleration in three directions; the system converts this to velocity (PPV) in software and evaluates events against applicable standards.

TYPICAL APPLICATIONS

- Blast monitoring in quarries and infrastructure projects
- Building monitoring per Norwegian standard
- Construction monitoring in urban environments
- Long-term monitoring of critical structures and adjacent buildings
- Support for other standards on request

KEY FEATURES

- Compatible with Norwegian vibration standard
- Wireless connectivity (LTE-M, GPS)
- External triaxial accelerometer sensor
- Integrated solar panel — no battery changes
- Ready in under 5 minutes with QR setup
- **BlastManager's** fastest integration



KEY BENEFITS

- Built for Norwegian standard
- Separate sensor and logger for flexible mounting
- **Solar powered** — no cables required
- 2 months battery life, external power supply available if needed
- Minimal maintenance
- Calibrated to applicable standard

DIMENSIONS

- **Logger:** 204 × 133 × 41 mm
- **Sensor:** 63 × 36 × 33 mm
- **Sensor cable:** 2 meters
- **Weight:** approx. 1.2 kg (total)

ALARMS CLOUD PLATFORM

Data and Analysis

- Hosted in the EU
- Overview of projects and measurement points
- Automatic report generation
- Mobile-friendly interface

Access and Alerts

- Map data from Norkart
- Configurable alerts (email/SMS)
- Automatic device connection
- Role-based access

TECHNICAL SPECIFICATIONS

Measurement Performance

Standard	NS 8141
Sensor	External triaxial accelerometer
Frequency range	1.6 – 400 Hz
Max vibration	250 mm/s

Environment and Power

Operating temperature	–20 °C to +60 °C
Power source	Internal battery, solar panel, 12 V external power supply
Connectivity	LTE-M, GPS
Calibration	Calibrated to applicable standard

CALIBRATION

- **Sensor:** Every 2 years
- **Logger:** Every 4 years

COMPLIANCE

- CE marked (RED, EMC)
- RoHS/REACH