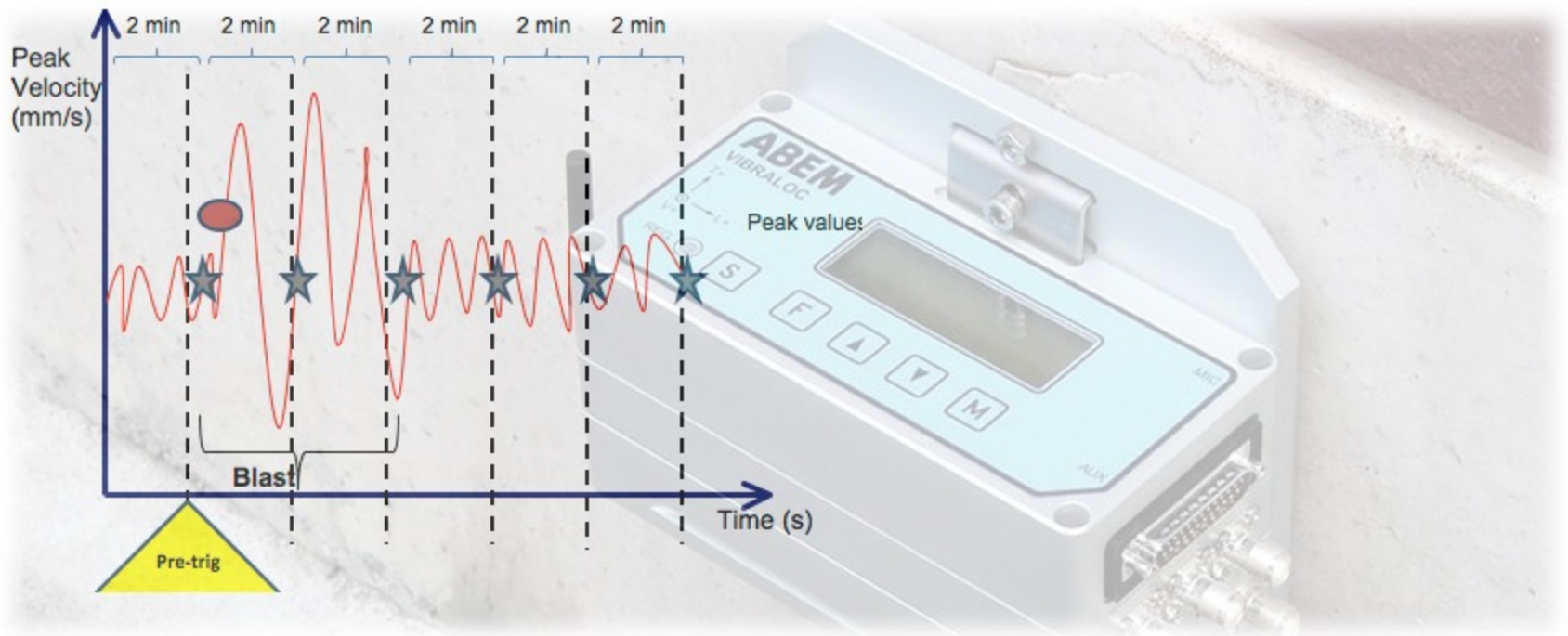


Ground-borne vibration monitoring in one easy-to-use standalone unit.

Optimized for blast monitoring. Support for any vibration monitoring.

ABEM Vibraloc is a continuous full waveform vibration monitor with an integrated tri-axial set of geophones. An additional 4th channel allows monitoring of air-pressure from blasting using an optional externally connected microphone.



Optimized for monitoring of blasting and construction work, an ABEM Vibraloc in standard configuration is packed with features to support any application of ground-borne vibration monitoring, but without the learning curve you might expect – even a novice can be up-and-running with a few button clicks.

Features and advantages

- ▶ Intelligent vibration monitoring
- ▶ 4D fidelity. Durable.
- ▶ Features. And more features!
- ▶ Lightweight. Compact. Intuitive
- ▶ Integrated software support

Typical applications

- ▶ Groundwater delineation
- ▶ Civil Engineering and infrastructure
- ▶ Geophysical exploration

Resources

- ▶ Brochures
- ▶ User Manual
- ▶ Case Study

Intelligent vibration monitoring.

Single or dual measurement modes. Peak value and full wave sampling when you need it.

By offering unrivaled features and versatility in a rugged, easy to-use standalone unit, ABEM Vibraloc has become the favorite vibration and sound pressure monitor among contractors, consultants, engineers and blasting specialists around the world.

The Vibraloc measures in single mode or simultaneously in dual modes:

- ▶ Peak Values – Highest value measured during a 2 min (or 2 seconds) interval.
- ▶ Time Series Records – Full wave sampled initiated by a user-defined triggering condition.

Lightweight. Compact. Intuitive.

Easy-to-install. Even easier to operate!

Despite being packed with all its features, the ABEM Vibraloc is still easy-to-use – even for a novice user! A high-contrast LCD and four-key tactile keypad coupled with simple menu-driven system provides complete control and flexible configuration. Lightweight and compact, it is ideal for non-conspicuous installation in the tightest of locations.

Features. And more features!

Ready for when you need them.

- ▶ Full waveform (time series) records while simultaneous recording in histogram (peak values during a defined period) mode
- ▶ Measures peak velocity, acceleration and displacement
- ▶ Range 0 to 250 mm/s
- ▶ Sample rates from 100 to 4,000 samples per second on four channel
- ▶ Frequency range 1 to 315 Hz
- ▶ Non-volatile memory for storage of 1,000 events
- ▶ Fixed length 2 - 100 s or auto mode that automatically expands to 1,000 s
- ▶ Continuous monitoring means zero dead time, even while the unit is processing
- ▶ All channels can be paired with a wide variety of sensors such as geophones, accelerometers or hydrophones

4D fidelity. Durable.

Four channels. One standalone unit!

Equipped with an integrated tri-axial geophone and an additional external 4th channel for air-pressure monitoring, ABEM Vibraloc develops 4D fidelity making it the ideal choice for blast monitor.

ABEM Vibraloc is a compact, lightweight, and standalone unit designed for the most demanding operating environments – including blasting. Powered by two standard D-cell alkaline batteries, it is capable of continuous monitoring for up to one month. It is also compliant with most national and international standards, such as DIN and ISEE.

Integrated software support.

Analysis. Management. Reporting. There is a tool for it!

Vibriloc PC, Vibriloc Event Analysis and Vibriloc Peak are modules of a Microsoft Windows based software suite developed specifically to support the ABEM Vibriloc, and your monitoring project. Together they offer a powerful and easy-to-use integrated environment for event management, compliance reporting and advanced data analysis.