



Press Release



Human Vibration Analyser Type 4447

The Pocket HV Analyser

NVMS (Noise & Vibration Measurement Systems), agent for Brüel & Kjaer S&V, are proud to announce the release of a new generation of Human Vibration Analyser. This smart handy unit monitors and evaluates hand-arm and whole-body vibration caused by hand tools, machinery, fixed and mobile plant and processes, light and heavy vehicles, rolling stock, watercraft and more. The health, safety, comfort, and efficiency of workers can be adversely affected by high levels of vibration, so the 4447 measures these quickly and easily for comparison with acceptable limits.



Ultra portable HV Analyser 4447

Smart pocket design - The 4447 has an ultra-portable design which can be stored easily in the pocket of a shirt or clipped to a belt. B&K has designed the device so that the user is able to easily take measurements in places which are difficult to access, such as vehicle interiors, as well as being lightweight and unobtrusive to the wearer.

Ready to measure in a heartbeat – A rechargeable battery ensures the device is ready for use quickly and allows it to work independently of external power supplies. The setup and all basic controls such as Start, Stop, Pause and Store are carried out directly and intuitively on the Pocket Analyser using only four buttons. An inbuilt display allows at-a-glance readings of the data, allowing quick and easy comparison with acceptable levels measured in accordance with ISO 5349 (Hand Arm vibration) and ISO 2631-1 (AS2670.1) (Whole Body vibration) and set out in EU Directive 2002/44/EC.



HV Analyser in Action

Analysis of HV results - The Brüel & Kjær Human Vibration Analyser 4447 comes with 3+1 analog inputs and one USB digital I/O. The inputs are designed for use with tri-axial and / or mono-axial accelerometers. With these, users are able to calculate the vector sum of the vibration on all 3 axes. For whole body analysis the k-factors are automatically included. The analyser calculates weighted and un-weighted vibration values including peak level, RMS level, crest factor, time averaging, vibration dose value and more. All stored data (up to 750 records) can be exported to the supplied PC software for reporting, analysis and archiving.



Easy to use

All in one Kit – To simplify whole-body and hand-arm vibration measurement in the field, the device is supplied complete with all necessary accelerometers, cabling, mounting adaptors (for hands/handles, vehicle seats etc) plus rechargeable battery, power supply/charger, screwdriver, protective pouch, interface cable and software. A Brüel & Kjær Type 4294 Accelerometer Calibrator and a range of additional specialized accelerometers are also available as optional accessories.

For more information please contact:

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