



VM-system

Vibration Monitoring system

Do vibrations produced by traffic, demolition, pile driving cause you any nuisance? Would you like to know the possible effects on you or your premises?

Are you involved in pile driving or demolition and do you have to take into account the maximum allowable vibration levels?

Accurate and reliable

With the Profound VM-system you monitor accurately and continuously vibrations in order to



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Continuous and unattended

The VM-system is powered by 3 standard (1.5 Volt) alkaline batteries, which is sufficient for weeks of continuous and undisturbed operation.

Direct results

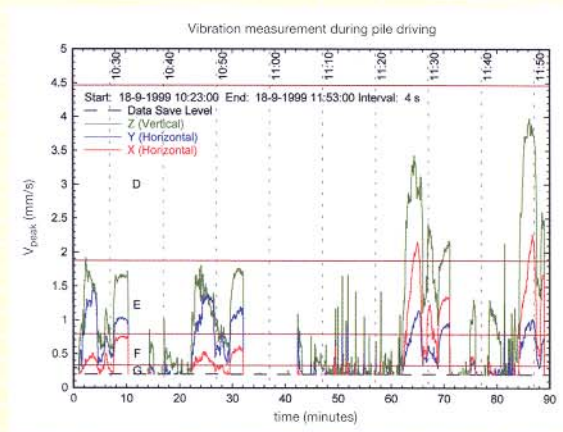
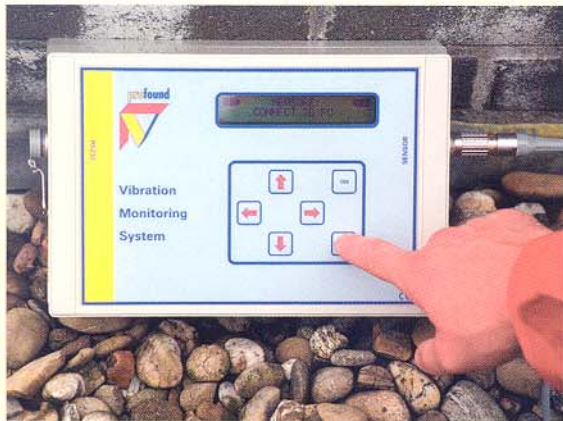
The VM-system performs 'real-time' processing, so you can directly test the vibration levels by the applicable codes (DIN, Dutch CUR, SBR).

Compact and robust

The system is light-weight, small, portable and battery-operated. The system is mounted in a weatherproof DIN IP65 ABS-box. Each system is also delivered with a calibration certificate, which guarantees accuracy.

Automatic alarm

Automatic real time data interpretation enables the VM-system to activate an alarm signal, should vibrations exceed a predetermined vibration level.



Working with the VM-system is very easy. At a glance you can see if the vibrations exceed a pre-set vibration level.

Technical specifications

Temperature range	: - 20°C to + 60°C
Protection rating	: IP65
Batteries	: 3 x 1.5 V Alkaline D-size
Battery life	: ≈ 28 days (continuous operation)
Data retention	: 10 year (minimum) at 25°C
Velocity range 1	: 0-12 mm/s
Velocity range 2	: 0-125 mm/s (amplitude < 2 mm)
Resolution range 1	: 0.01 mm/s
Resolution range 2	: 0.1 mm/s
Accuracy	: ≈ 10% as defined in DIN 45669, class 1
Frequency range	: 0.8 - 100 Hz (-3dB) 1 - 80 Hz (DIN 45669)
Sensor type	: 3-channel geophone (x-, y-, z-direction)
Storage capacity	: 512 kbyte ≈ 50000 measurements
Storage interval	: Adjustable between 1-999 s
Data save level	: Adjustable between 0.1-99.9 mm/s (or always)
Alarm level	: Adjustable between 0.1-99.9 mm/s (or none)
Clock stability	: ≈ 5 minutes/year at 25°C
PC software	: Windows '95 (or higher)
Graphic software	: Sgplot for Windows
Communication	: RS232C 19200 baud
Size and weight	: 247 x 160 x 63 mm, 1.5 kg
Accessory	: Alarm light

For further information:

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