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## VE-33 / VE-32 / VE-31-V / VE-31-H Velocity Sensor

## Features

## ㅁ Sensitivity G 27.3 Vs/m

- Bandwidth 4.5 Hz to 315 Hz

ㅁ Civil Engineering and general vibration measurement applications
$\square$ Single Bolt Mounted Housing provides up to $\pm 10^{\circ}$ of levelling adjustment

- Surface and Wall mount
$\square$ Temperature compenstated
$\square$ Downhole Version (VE-3x-DH) is also available



## Outline

The VE Velocity Sensors are engineered for consistent performance over a long lifetime. Advanced computerised testing, manufacturing techniques and quality control are used in the production process to provide both, the uniform parameters and the rugged qualities required in modern velocity sensors.

The sensor module has proven itself successfully worldwide for many years in different applications. The symmetrical rotating dual coil construction minimises the force on the spring arms. The use of precious metals ensure optimum electrical contact and a long operating life.

The VE Velocity Sensors has its 3 dB at 4.5 Hz and and can be used for a variety of civil engineering and general vibration measurement applications. The VE-31-H is uniaxial horizontal, the VE-31-V uniaxial vertical, VE-32 biaxial and the VE-33 is a triaxial velocity sensor.
The VE Velocity Sensors are housed in a very compact $195 \times 112 \times 96 \mathrm{~mm}$ case. The sealed cast aluminium housing contains a MS style connector or a sealed cable inlet. The housing also incorporates a single bolt mount with three levelling screws, which offers extended adjusting capability during mounting.


## Specifications VE-33 / VE-32 / VE-31-V / VE-31-H Velocity Sensor

General Characteristics
Application:

Configurations:

VE-33:
VE-32-H:
VE-32-V:
VE-31-H:
VE-31-V:

## Specification

Instrument Type:
Dynamic Range:
Linearity:
Cross Axis Sensitivity:
Frequency Response:
Damping:
Sensitivity G:
Output Impedance:
Measuring Range:

Civil engineering, general vibration measurement


Digital grade long travel geo-phones $>96 \mathrm{~dB}$
< 0.3 \% of full scale
$<0.1 \%$ of full scale
4.5 to 315 Hz
standard 0.7
27.3 Vs/m
$430 \Omega$

See plot


