

Системы измерения вибрации VibroScanner

Технические характеристики

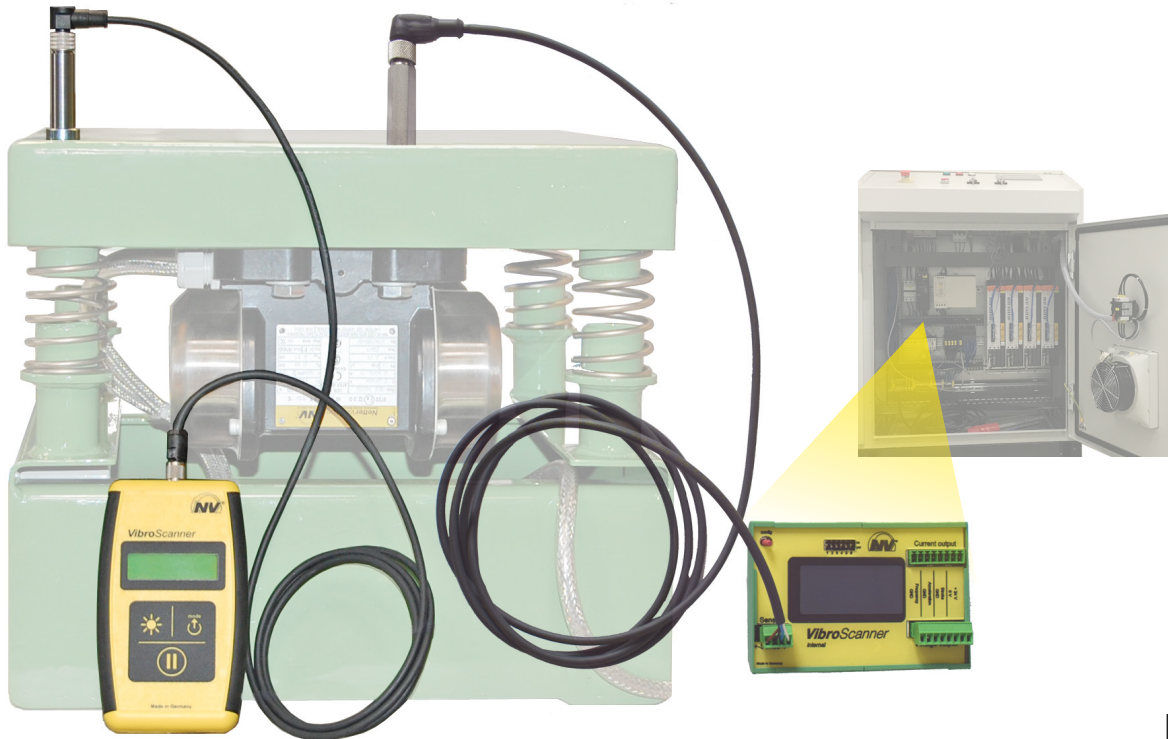
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Vibration Measuring System Series **VibroScanner**



- Precise measurements of acceleration, frequency and amplitude
- Process control
- Mains-free and battery-powered (handheld unit)
- Available for data transfer as a variant for control cabinet installation



VibroScanner handheld unit



VibroScanner for control cabinet installation



VibroScanner carrying case



Vibration Measuring System Series **VibroScanner**

Measurement Type	Acceleration measurement	Frequency measurement	Amplitude measurement	Resolution	Measuring accuracy	Damping	Power supply	Cable length
VibroScanner VSH handheld unit	0 ... 15 g	5 ... 800 Hz	0-99 mm	+/-0,1 g +/-0,1 Hz	+/- 3 %	-2 dB bei 800 Hz	2x AA 1,5 V Mignon LR6	2 m
VibroScanner VSI for control cabinet installation	0-2, 0-4, 0-8, 0-12 g	0-35, 0-75 Hz 0-150, 0-300 Hz	0-49 mm, 0-99 mm	+/- 0,001 g _s (0,001 m/s ²)	0,1-2 %	---	24 V DC (+/- 10 %)	max. 3m (unshielded) max. 10 m (shielded)



VibroScanner handheld unit for flexible and fast measurements of acceleration, frequency and amplitude



VibroScanner for control cabinet installation with many outputs for data transfer

Applications

The **VibroScanner** is used to measure the acceleration and the dominant frequency of mechanical vibrations by means of an acceleration sensor.

Possible applications are the measurement of the operational parameters of vibration systems, e.g. frequencies and effective accelerations in vibration feeders and conveyors, vibration compactors or vibration test systems.

Thereby, the **VibroScanner** permits a quantitative process control on a regular basis. The verifiable reliability contributes to a stable process of the plant machinery and thus guarantees a constant product quality.

Design and function

The sensor used is a capacitive micromechanical (MEMS) sensor characterised by high mechanical strength. The signal processing takes place directly in the sensor housing, thus reducing considerably the sensitivity to electrical interference.

The **VibroScanner** is also available in a version for installation in any control cabinet. This device has many outputs for data transfer, e.g. to higher-level, programmable logic controllers (PLC). With three decimal places, it is even suitable for particularly precise measuring results.

Admissible operating conditions

Ambient temperature:
-10 °C bis 40 °C

NetterVibration offers the accessories required for the mounting, installation, control and monitoring of vibrators and impactors.

Netter provides solutions.

Consult our experienced application technicians.

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