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## Netter Vibration Measuring System Series *VibroScanner*



- Acceleration measurements
- Frequency measurements
- Process control



Probe tips



Sensor



Scanner



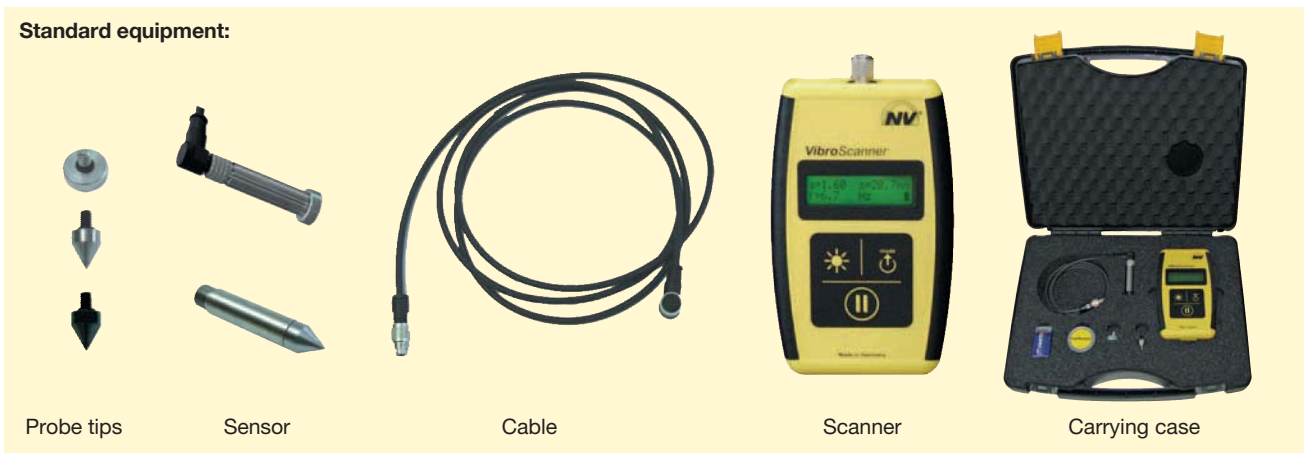
## Netter Vibration Measuring System Series *VibroScanner*

### VibroScanner



<b>Metering</b>	Root mean square (RMS)	
<b>Ranges</b>	<b>Acceleration measurement</b>	-15 ... 15 g <sub>e</sub> (-147 ... 147 m/s <sup>2</sup> )
	<b>Frequency measurement</b>	5 ... 800 Hz / +/- 0,1 Hz
	<b>Amplitude measurement</b>	+/- 0,1 mm (at sinus)
<b>Resolution</b>	+/- 0,1 g <sub>e</sub> (+/- 1 m/s <sup>2</sup> )	
<b>Measuring accuracy</b>	+/- 3 %	
<b>Damping</b>	-2 dB at 800 Hz	

### Standard equipment:



Probe tips

Sensor

Cable

Scanner

Carrying case

### 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, thus contributing essentially to the long successful operation of the vibration system. Moreover, it makes it possible for plant manufacturers to perform batch controls in vibration drives in order to ensure a consistent product quality.

### Design and function

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

### Admissible operating conditions

#### Operating voltage:

9 V battery

#### Ambient temperature:

-20°C to 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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