



- **Vibration Measurements**
- **Acceleration Measurements**
- **Frequency Measurements**
- **Amplitude Measurements**

**Easy and precise measurement of mechanical vibration in all applications and equipment. In on-site situations it can be very difficult to determine the vibrations in applications. But with the VibroScanner it only takes seconds to measure all necessary parameters precise.**



# VibroScanner



<b>Metering</b>		<b>Root mean square (RMS)</b>
<b>Ranges</b>	<b>Acceleration</b> <b>Frequency</b> <b>Amplitude</b>	-15 ..... 15 g <sub>e</sub> (-147 ..... 140 m/s <sup>2</sup> ) 5 ..... 800 Hz / +/-0,1 Hz +/-0,1mm. (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 ved 800 Hz



Probe Tips



Sensor



Cable



Scanner



Carrying case

## Applications

The VibroScanner is used for measuring the acceleration and the dominant frequency of mechanical vibrations by an electronic acceleration sensor.

The VibroScanner is widely used for testing and monitoring vibration equipment like vibration tables, sieves, separators, chutes and conveyors.

With fast and reliable measurements of frequency and acceleration of the vibration equipment, it is easy to determinate if the application is operating according to specifications, and gives valuable information if the equipment needs service or maintenance.

## Design & Function

The sensor is a capacitive micro-mechanical (MEMS) sensor, characterized by high mechanical strength.

The signal processing is created directly in the sensor, which will reduce the sensitivity to electronic interference considerably.

## Admissible Operating Conditions

### Operation voltage:

9V. Battery

### Ambient temperature:

-20° C. to +40° C.