

Velocity transducer VT 16.13

The vibration transducer VT 16.13 is designed for normal industrial machinery installation. It is well protected against water, oil, pressure, shocks as well as strong magnetic and electrical fields.

The function of the transducer is based on the electrodynamic principle. A coil suspended by springs is free to move in a fixed magnetic field and in the direction of the transducers symmetry axis.

VT 16.13 has a special design that gives a high sensitivity to vibration with linear response down to zero vibration level. The transducer can be mounted in any attitude and will measure only the velocity in the direction of the transducers shaft centre line.

The transducer is well suited to measure down to low frequency such as 1 Hz. Linearization is however needed and this is made by connected equipment.



Technical Specification

Sensitivity	5 mV/mm/s RMS \pm 10%
Frequency Range:	
Compensated	1-20 000 Hz
Uncompensated	40-1 000 Hz
Damping	Critical, 50%
Max Working Temperature	150 °C
Sealing	IP68
Material	Stainless steel, SS 2343
Weight	96 g

Applications

Hydroelectric Power Stations
Nuclear Power Stations
Processing Industry