

Compact vibration velocity sensor

Sensor for vibration velocity SV6300

**Product description**

Reliable machine monitoring (e.g. housing vibrations caused by imbalances) is ensured by temperature-stabilized and robust sensor technology.

The 1/4-28 UNF or M6 x 1.0 screw connections of the sensor allow machine-specific and reliable mounting, which is also possible in hard-to-reach places.

Continuous machine monitoring is provided via the sensor output (100 mV/ips for centralized or decentralized monitoring (e.g. Metrix Signal Conditioner 5580/SW5580)).

Applications

- Fans / Cooling towers
- Drives
- Large pumps
- Compressors
- Motors

Benefits

- Compact and robust vibration velocity sensor for machine and plant monitoring
- Extensive mounting options, as well as approvals for use in EX areas

Features

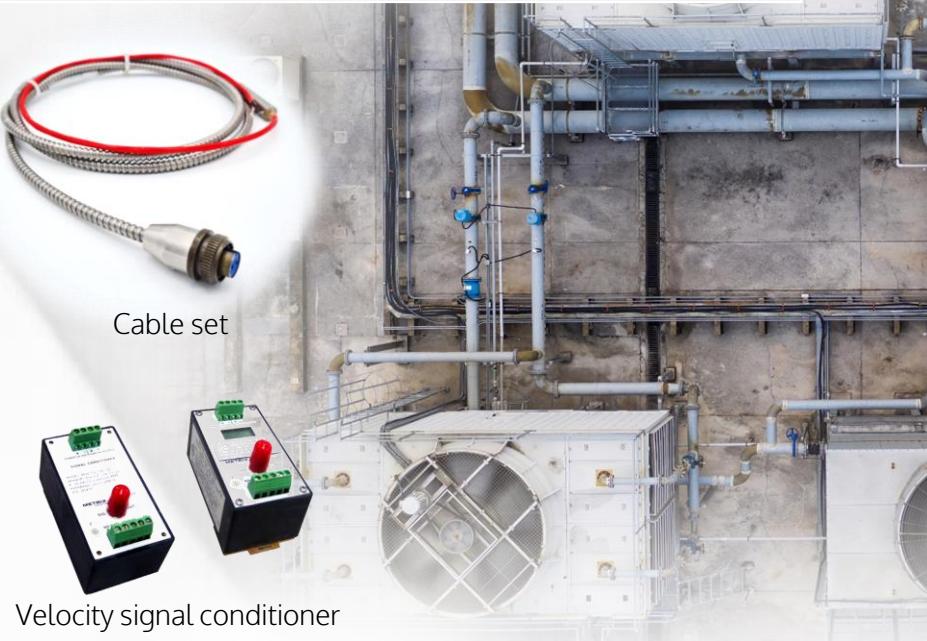
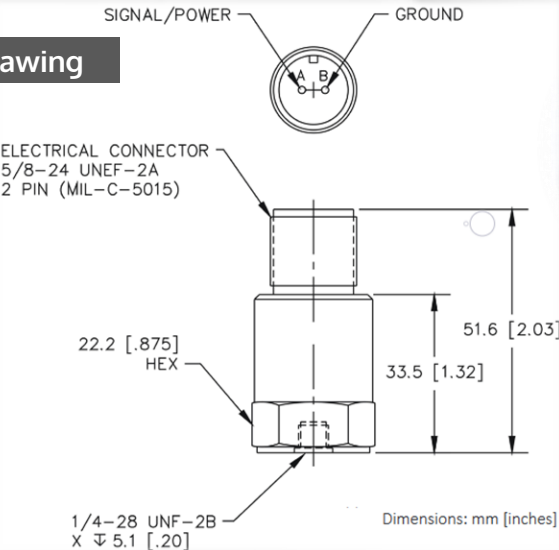
- Seismic vibration velocity sensor
- Piezo-electric version with integrator
- Integrated amplifier for low impedance
- Temperature stabilized
- Rugged stainless steel construction
- Easy wiring with 2-pin mil connector
- Mounting studs for different threads Mounting in all axes For many applications and replacement for electro-dynamic sensors
- Various approvals



Technical data

Characteristic	Technical values
Accelerometer	Piezo-electric, constant current standard
Frequency range (-3dB)	2 Hz ... 8 kHz
Sensitivity	100 mV/g (3,94 mV/mm/s)
Resonant frequency	20 kHz
Cross-axis sensitivity	< 5%
Accuracy	2%
Housing insulation	10 ⁸ Ω
Shock (max)	5000 g
Noise	0,003 g rms
Voltage	18,0 ... 28,0 VDC
Housing material	Edelstahl 316
Temperature range (operation)	-54°C ...+121°C
Protection class	IP68
Mounting bolt	1/4-28 UNF, 1/4-20 UNC, M6 x 1.0
Weight	ca. 100 g

Drawing



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