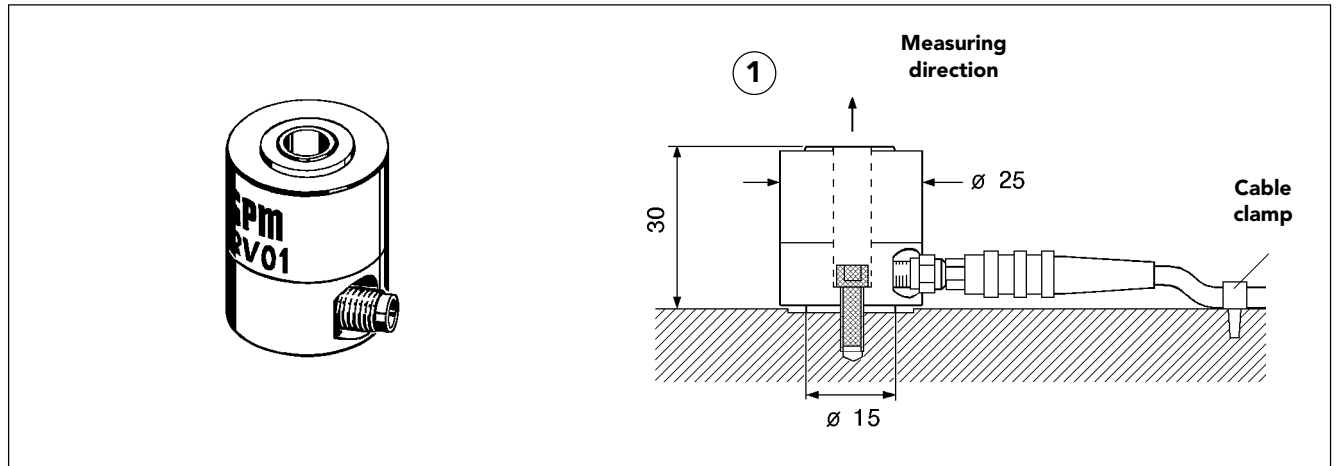


Vibration Transducer TRV-01



Transducer TRV-01 is a piezo-electric accelerometer of compression type, designed for vibration monitoring of industrial machinery. It can be used together with a handheld vibrometer (e.g. SPM VIB-10) or in permanent installations (e.g. with SPM VIB-20).

The transducer is mounted against a smooth, flat surface, normally with a M4 cap head screw through its center (1). The cable (SPM 46019-L, low noise) must be secured with a clamp close to the transducer.

To avoid electric disturbance, the transducer should be mounted on the insulated installation foot TRX-14 (2). When mounted by magnet (3), the plain seat surface must have diameter of min. 27 mm. With holding screw TRX-11 and probe TRX-12, the transducer is turned into a handheld probe (4).

Ordering numbers

TRV-01	Vibration transducer
TRX-10	Magnetic base
TRX-11	Holding screw
TRX-12	Probe
TRX-13	Mounting screw MC6S, M4 x 10
TRX-14	Isolated installation foot
TOL-10	Counterbore (ø 16, pilot 3.3)
TOL-11	Torquing tool

Technical data

Charge sensitivity, main axis	10 pC/m/s ² ± 15%
Transverse sensitivity	max. 10%
Typical base strain sensitivity	0.01 m/s ² /μ strain
Linear frequency range	0 to 2000 Hz
Temperature range	-30°C to +150°C
Typical temperature drift	0.25% / °C
Casing	Brass, sealed
Weight	100 grams
Connector type	SMA
Torque limit	5 Nm
Locking of screw	Loctite 242

