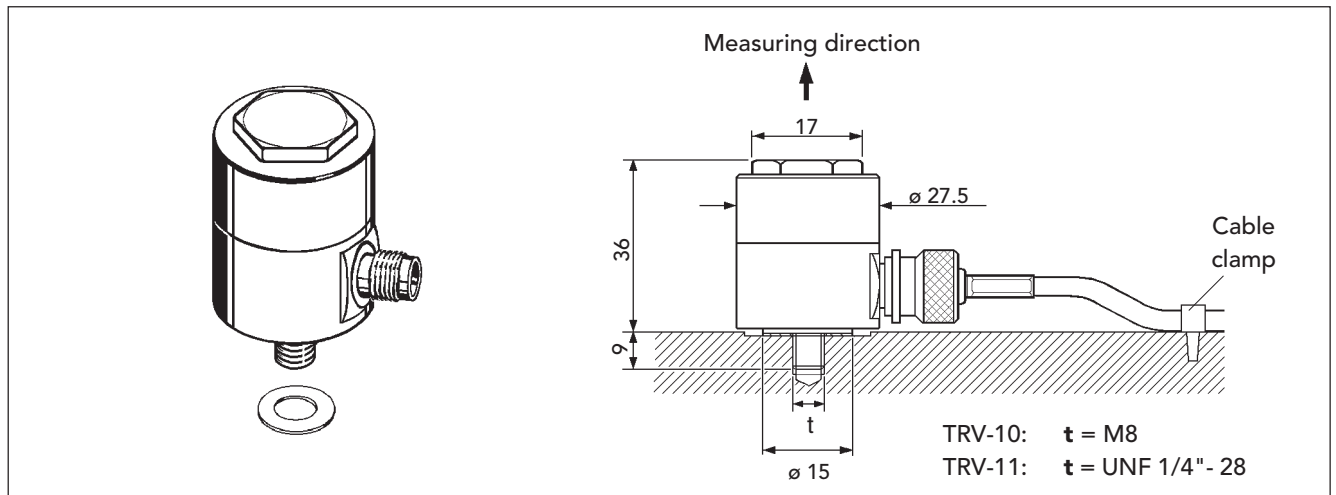


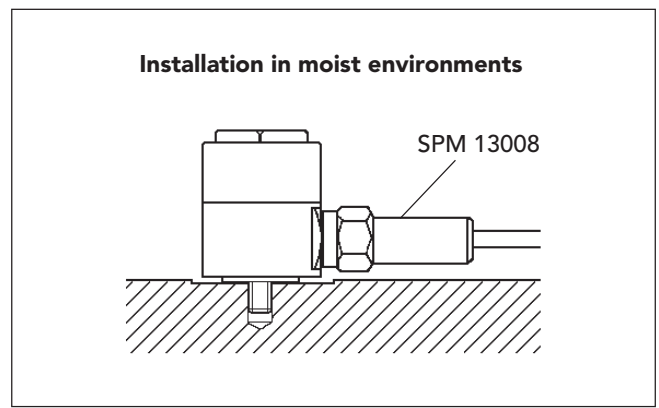
Vibration Transducer TRV-10 / 11



The transducers TRV-10 and TRV-11 are piezo-electric accelerometers of compression type with built-in preamplifier, designed for vibration monitoring of industrial machinery. They are used in permanent installations with the CMS System (measuring units VMS-22 and VMS-23). The cable length between transducer and measuring unit is max. 50 m (165 ft).

The transducer is mounted against a smooth, flat sur-face on the machine. TRV-10 has thread size M8 and TRV-11 has UNF 1/4"-28. The transducers are delivered with three washers for adjusting the connector angle. Each washer turns the transducer 90°. The coaxial cable (SPM 90005-L or 90267-L) with TNC connector must be secured with a clamp close to the transducer.

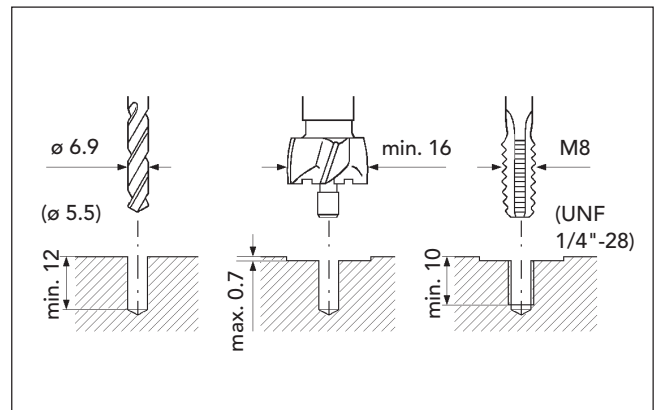
For installations in moist environments, it is necessary to use sealing TNC cable plugs SPM 13008 to prevent cable corrosion.



Technical data

Measuring range:	0.2 to 100 mm/s 0.01 to 4.0 inch/s
Nominal sensitivity, main axis:	20 μ A/mm/s *
Transverse sensitivity:	max. 10%
Typical base strain sensitivity:	0.01 m/s ² / μ strain
Linear frequency range:	10 to 1000 Hz
Max. peak acceleration:	600 m/s ²
Temperature range:	-20° C to +100° C (-4° F to +212° F)
Typical temperature drift:	0.25% / °C
Housing, base	Stainless acid proof steel, Sandvik Grade:1802, EN:1.4523
Design	Sealed
Connector tightness	IP65 with TNC connector IP 67 with conn. SPM13008
Weight:	135 grams (5 oz)
Connector type:	TNC
Torque limit:	10 Nm (7.4 lbf · ft)

* Individual value given on the calibration chart.



Mounting tools

- 81027 Holder for counterbore
- 81057 Counterbore, diam. 20 mm
- 81030 Pilot for UNF 1/4" (TRV-11)
- 81031 Pilot for M8 (TRV-10)

To drill the mounting hole, use drill bit 6.9 mm for M8 and 5.5 mm for UNF 1/4". Torque and unscrew the transducer with a torque wrench and a 17 mm socket (SPM 81086).

