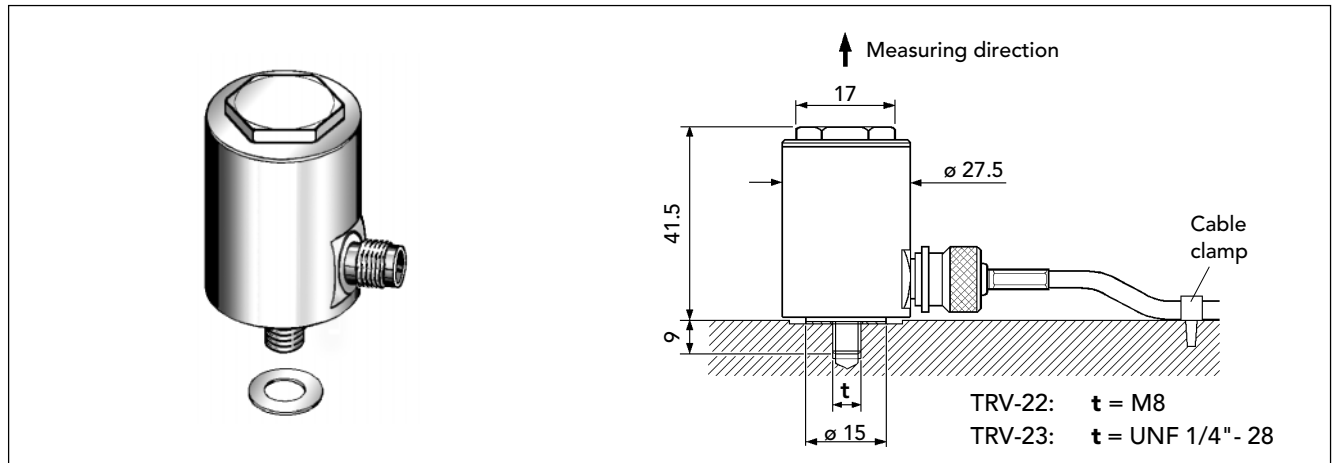


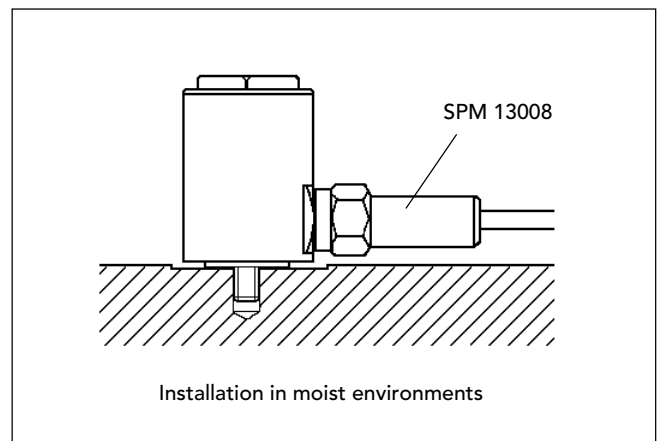
Vibration Transducer TRV-22 / 23



The transducers TRV-22 and TRV-23 are piezo-electric accelerometers of compression type, designed for vibration monitoring of industrial machinery. They can be used together with handheld instruments or in permanent installations. Max. cable length between transducer and measuring unit is 10 m (33 ft).

The transducer is mounted in a threaded hole on a smooth, flat surface on the machine. It is delivered with three washers for adjusting the connector angle. Each washer turns the transducer 90°. Fix low noise coaxial cable (SPM 90176-L or 90292-L) with TNC connector with a clamp close to the transducer.

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



Technical data

Nominal sensitivity, main axis: 10 pC/m/s² (7-12 pC/m/s²) *

Transverse sensitivity: max. 10%

Typical base strain sensitivity: 0.01 m/s²/μ strain

Linear frequency range: 0 to 5000 Hz

Max. peak acceleration: 600 m/s²

Temperature range: -30° C to +150° C
(-22° F to +302° F)

Typical temperature drift: 0.25% / °C

Housing, base: Stainless acid proof steel,
Sandvik Grade:1802,
EN:1.4523

Design: Sealed

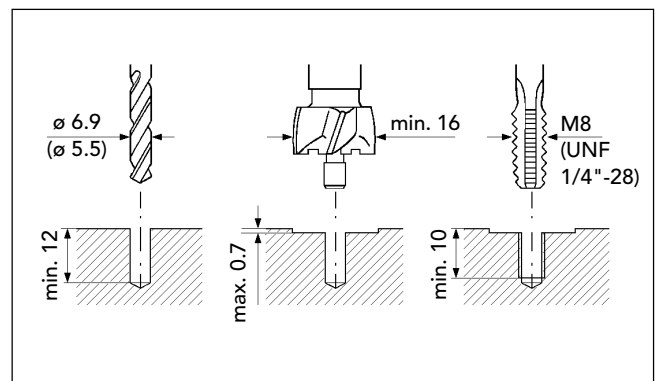
Connector tightness: IP65 with TNC connector
IP67 with conn. SPM13008

Weight: 171 grams (6 oz)

Connector type: TNC

Torque limit: 10 Nm (7.4 lbf/ ft)

* Individual value given on the calibration chart.



To drill the mounting hole, use drill bit 6.9 mm (M8) or 5.5 mm (UNF 1/4"-28). Torque and unscrew the transducer with a torque wrench and a 17 mm socket (SPM 81086).

Part Numbers

TRV-22	Vibration transducer, M8
TRV-23	Vibration transducer, UNF 1/4"-28
13008	Sealing TNC cable plug
81027	Holder for counterbore
81057	Counterbore, diam. 20 mm
81030	Pilot for UNF 1/4" (TRV-23)
81031	Pilot for M8 (TRV-22)

