

Vibration transducers TRV - Overview

Transducers without amplifier						
Type	Thread	Hz	Sensitivity	°C	Compatible with	TD-sheet
TRV-01	M4	0-2000	10 pC/m/s ²	-30 to +150	A30, T30, A2010, A2011, T2000, T2001	TD-16
TRV-12	M8	0-1000	12 pC/m/s ²	-30 to +150	A30, T30, A2010, A2011, T2000, T2001, VIB-10A/11A, VIB-20A*, MCV-05	TD-80
TRV-13	UNF1/4"	0-1000	12 pC/m/s ²	-30 to +150	A30, T30, A2010, A2011, T2000, T2001, VIB-10A/11A, VIB-20A*, MCV-05	TD-80
TRV-22	M8	0-5000	10 pC/m/s ²	-30 to +150	A30, T30	TD-133
TRV-23	UNF1/4"	0-5000	10 pC/m/s ²	-30 to +150	A30, T30	TD-133

Suitable low noise coaxial cables: SPM 90176-L / SPM 90292-L

Transducers with amplifier						
Type	Thread	Hz	Sensitivity	°C	Compatible with	TD-sheet
TRV-10	M8	10-1000	20 µA/mm/s	-20 to +55	VMS-22/23*	TD-63
TRV-11	UNF1/4"	10-1000	20 µA/mm/s	-20 to +55	VMS-22/23*	TD-63
TRV-18	M8	3-1000	1.2 mV/m/s ²	-20 to +125	VMM-14/15/20/21*, VCM20, MG4*	TD-109
TRV-19	UNF1/4"	3-1000	1.2 mV/m/s ²	-20 to +125	VMM-14/15/20/21*, VCM20, MG4*	TD-109
TRV-20	M8	2-5000	4.0 mV/m/s ²	-20 to +125	VCM20, MG4*, Leonova	TD-124
TRV-21	UNF1/4"	2-5000	4.0 mV/m/s ²	-20 to +125	VCM20, MG4*, Leonova	TD-124

Suitable coaxial cables: SPM 90005-L / SPM 90267-L

The Hz column specifies the frequency range for the transducer when permanently installed. When used with hand-held probe or magnetic foot the frequency range is limited to max. 1000 Hz, even if the transducer itself has a higher range.

* Electric insulated installation foot, TRX-14 for TRV-01, TRX-18 (M8) and TRX-19 (UNF 1/4") for all other types, should be used on the vibration transducers when combined with permanently installed equipment, to avoid disturbances caused by different earth potentials. The installation foot will limit the frequency range to max. 2000 Hz, even if the transducer itself has a higher range.

Ex classified transducers

Transducers without amplifier						
Type	Thread	Hz	Sensitivity	°C	Compatible with	TD-sheet
TRV-26	M8	0-5000	10 pC/m/s ²	0 to +50	A30Ex, T30Ex	TD-136
TRV-27	UNF1/4"	0-5000	10 pC/m/s ²	0 to +50	A30Ex, T30Ex	TD-136

Suitable low noise coaxial cables: SPM 90176-L/SPM 90292-L

Transducers with amplifier **						
Type	Thread	Hz	Sensitivity	°C	Compatible with	TD-sheet
TRV-28	M8	3-5000	3 mV/mm/s	-20 to +100	MG4, VCM20, VMS-22/23, A/T30, Leonova	TD-127
TRV-29	UNF1/4"	3-5000	3 mV/mm/s	-20 to +100	MG4, VCM20, VMS-22/23, A/T30, Leonova	TD-127

Suitable coaxial cables: SPM 90005-L / SPM 90267-L

** These transducers must be used together with transducer interface SPM 14423 (2 channels), SPM 14540 (4 channels) or SPM 14424 (8 channels).

