

SOLID Transducers and Transmitters - Overview

All SOLID transducers and transmitters are internally isolated. The vibration transducers have a temperature range of -40 to +120 °C (-40 to +248 °F), whereas the 4–20 mA transmitters operate in -40 to +85 °C (-40 to +185 °F).

Vibration Transducers

Article no.	Ex	Thread	Connector	Frequency range	Sensitivity	Compatible with	TD sheet
SLD 121 A		M8	SMB	2–1000 Hz	1.2 mV/m/s ²	VMM, VMR, MG4	TD-200
SLD 121 B		M8	2-pin	2–1000 Hz	1.2 mV/m/s ²	VMM, VMR, MG4	TD-255
SLD 121 E		UNF 1/4"	SMB	2–1000 Hz	1.2 mV/m/s ²	VMM, VMR, MG4	TD-200
SLD 121 F		UNF 1/4"	2-pin	2–1000 Hz	1.2 mV/m/s ²	VMM, VMR, MG4	TD-255
SLD 122 A		M8	SMB	2–5000 Hz	4 mV/m/s ²	MG4	TD-187
SLD 122 B		M8	2-pin	2–5000 Hz	4 mV/m/s ²	MG4	TD-201
SLD 122 E		UNF 1/4"	SMB	2–5000 Hz	4 mV/m/s ²	MG4	TD-187
SLD 122 F		UNF 1/4"	2-pin	2–5000 Hz	4 mV/m/s ²	MG4	TD-201
SLD 144 B		M8	2-pin	2–10 000 Hz	10 mV/m/s ²	Leonova, VCM	TD-203
SLD 144 F		UNF 1/4"	2-pin	2–10 000 Hz	10 mV/m/s ²	Leonova, VCM	TD-203
SLD 243 B	Ex	M8	2-pin	2–10 000 Hz	5 mV/m/s ²	Leonova, VCM	TD-208
SLD 243 F	Ex	UNF 1/4"	2-pin	2–10 000 Hz	5 mV/m/s ²	Leonova, VCM	TD-208
SLD 244 B	Ex	M8	2-pin	2–10 000 Hz	10 mV/m/s ²	Leonova, VCM	TD-215
SLD 244 F	Ex	UNF 1/4"	2-pin	2–10 000 Hz	10 mV/m/s ²	Leonova, VCM	TD-215

The frequency range is specified for the transducer when permanently installed. The measuring results will be affected at higher frequencies when using a magnetic foot.

Note: Ex approved transducers must be used together with transducer interface SPM 15226 or Ex approved zener barrier when used in explosive environment.

4-20 mA Vibration Transmitters

Article no.	Ex	Thread	Connector / Cable	Frequency range	Measuring range	TD sheet
SLD722 C		M8	Integrated cable, 3 m *	2 – 1000 Hz	0 – 12.5 mm/s	TD-263
SLD722 G		UNF 1/4"	Integrated cable, 3 m *	2 – 1000 Hz	0 – 0.5 in/s	TD-263
SLD 723 C		M8	Integrated cable, 3 m *	2 – 1000 Hz	0 – 25 mm/s	TD-205
SLD 723 G		UNF 1/4"	Integrated cable, 3 m *	2 – 1000 Hz	0 – 1 in/s	TD-205
SLD 724 C		M8	Integrated cable, 3 m *	2 – 1000 Hz	0 – 50 mm/s	TD-269
SLD 724 G		UNF 1/4"	Integrated cable, 3 m *	2 – 1000 Hz	0 – 2 in/s	TD-269
SLD 733 C		M8	Integrated cable, 3 m *	10 – 1000 Hz	0 – 25 mm/s	TD-256
SLD 733 G		UNF 1/4"	Integrated cable, 3 m *	10 – 1000 Hz	0 – 1 in/s	TD-256
SLD 823 C	Ex	M8	Integrated cable, 3 m *	2 – 1000 Hz	0 – 25 mm/s	TD-253
SLD 823 G	Ex	UNF 1/4"	Integrated cable, 3 m *	2 – 1000 Hz	0 – 1 in/s	TD-253
SLD 833 C	Ex	M8	Integrated cable, 3 m *	10 – 1000 Hz	0 – 25 mm/s	TD-254
SLD 833 G	Ex	UNF 1/4"	Integrated cable, 3 m *	10 – 1000 Hz	0 – 1 in/s	TD-254

* Standard cable length is 3 meters, but optional lengths may be ordered (ex. SLDXXXX-L, L = length in meters, max. 30 m).

Note: Ex approved transmitters must be connected through a barrier when used in explosive environment.

Cable Plugs for Vibration Transducers

Article no.	Connector	Protection	Material	Prepared for protection tube	TD sheet
14990	SMB	IP67	Stainless steel	No	TD-248
15164	SMB	IP67	Stainless steel	Yes	TD-261
15168	2-pin	Ex, IP67	Composite	Yes	TD-217
15388	SMB	IP67	Composite	Yes	TD-258

