

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

Article no.	Ex	Thread	Connector / Cable	Frequency range	Measuring range	Data sheet
SLD 722 C/G	No	M8 / UNF 1/4"	Integrated cable*, 3 m	2 - 1000 Hz	0 - 12.5 mm/s	TD-205
SLD 723 C/G	No	M8 / UNF 1/4"	Integrated cable*, 3 m	2 - 1000 Hz	0 - 25 mm/s	TD-205
SLD 724 C/G	No	M8 / UNF 1/4"	Integrated cable*, 3 m	2 - 1000 Hz	0 - 50 mm/s	TD-269
SLD 733 C/G	No	M8 / UNF 1/4"	Integrated cable*, 3 m	10 - 1000 Hz	0 - 25 mm/s	TD-256
SLD 823 C/G	Yes	M8 / UNF 1/4"	Integrated cable*, 3 m	2 - 1000 Hz	0 - 25 mm/s	TD-253
SLD 833 C/G	Yes	M8 / UNF 1/4"	Integrated cable*, 3 m	10 - 1000 Hz	0 - 25 mm/s	TD-254

4-20 mA Vibration Transmitters

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). Suitable cable plugs are SPM 15168 (2-pin, composite, Ex), SPM 15388 (SMB, composite) and SPM 15164 (SMB, stainless steel). All cable plugs are sealed IP67 and prepared for cable protection conduit SPM 81369. Suitable cables are twisted pair cable SPM 90381 (-65 to +200 °C) and SPM 90389 (-40 to +90 °C) for 2-pin cable plugs and coaxial cable SPM 90005 (-10 to +70 °C) and SPM 90267 (-40 to +125 °C) for SMB cable plugs.

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

Vibration Transducers

SOLID

Vibration Transducer Line

High-Performance
Transducers for
Vibration Measurement



SOLID - One Transducer for Every Need

Selecting the right transducer for your application is crucial to measurement accuracy. Any field data collected are only as good as the transducer used for measurement. Available in a variety of options, there is a SOLID transducer for every need.

The SOLID transducers are piezo-electric accelerometers of compression type, each individually tuned. Enhanced electronics and improved ambient characteristics deliver excellent performance in a very large area of applications.

Sturdy and Durable

The SOLID transducers and transmitters are designed to withstand the rigors of industrial environments. Stainless, acid proof steel housings, case isolation and hermetic sealing make them very robust.



Transducers

All SOLID transducers are sealed and come with top connector for fast and easy installation. A frequency range from 2 Hz to 10 kHz makes SOLID transducers applicable for use with slow as well as high-speed rotating machinery.

The SOLID line of transducers is completed with a range of brand new, composite material cable plugs for 2-pin, SMB and TNC connectors. Benefits such as corrosion resistance, vibration dampening and weight reduction make this design far superior to metal connectors.

Transmitters

The SOLID transmitters provide a 4-20 mA output signal proportional to the vibration velocity, across its frequency range. The output signal can be transmitted to common process control systems like PLC, DCS and SCADA. The transmitters operate using power from any standard 4-20 mA loop. No additional power is necessary.

Features of the transmitters are unique micro controller design and calibration data stored in the sensor. The measuring range is 0-1 inch/s and the frequency range 2-1000 Hz.



SOLID transducers, transmitters and connectors are also available in Ex versions, approved under the ATEX directive, for use in potentially explosive atmosphere. The functionality and performance of the Ex proof products are identical to that of their base model counterparts.