



SPM Vibration Transducers

The SPM SOLID transducers are piezo-electric accelerometers of compression type; each individually tuned, with built-in pre-amplifier, designed for vibration monitoring of industrial machinery. The electrical signal is isolated from the transducer housing. Enhanced electronics and improved ambient characteristics deliver excellent performance in a very large area of applications.



The SPM 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. SPM vibration transducers come in a variety of sizes, configurations and specifications to perfectly suit your needs. All SOLID transducers are internally isolated. 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.

Vibration transducers with top entry/cable

Part Number	Ex	Thread (t)	Connection	Frequency Range	Sensitivity
SLD 121	—	M6, M8, M10, UNF	B, C, CP	2-1000 Hz	1.2 mV/m/s ²
SLD 122	—	M6, M8, M10, UNF	B, C, CP	2-5000 Hz	4 mV/m/s ²
SLD 144	—	M6, M8, M10, UNF	B, C, CP	2-10000 Hz	10 mV/m/s ²
SLD 243	✓	M6, M8, M10, UNF	B, C, CP	2-10000 Hz	5 mV/m/s ²
SLD 244	✓	M6, M8, M10, UNF	B, C, CP	2-10000 Hz	10 mV/m/s ²

Vibration transducers with side entry/cable

Part Number	Ex	Thread (t)	Connection	Frequency Range	Sensitivity
SLD 144S	–	M6, M8, UNF	B, C, CP	2-10000 Hz	10 mV/m/s ²
SLD 244S	✓	M6, M8, UNF	B, C, CP	2-10000 Hz	10 mV/m/s ²

Vibration transducers MEMS with side entry

Part Number	Ex	Thread (t)	Connection	Frequency Range	Sensitivity
SLD 322B-M8	–	M8	2-pin MIL	1-2000 Hz	4 mV/m/s ²
SLD 322B-UNF	–	UNF 1/4"	2-pin MIL	1-2000 Hz	4 mV/m/s ²
SLD 334B-M8	–	M8	2-pin MIL	1-2000 Hz	10 mV/m/s ²
SLD 334B-UNF	✓	UNF 1/4"	2-pin MIL	1-2000 Hz	10 mV/m/s ²

Vibration transducers MEMS with side entry

Part Number	Ex	Thread (t)	Connection	Frequency Range	Sensitivity
SLD 334S-G	–	M3/Glue	2-pin MIL	1-2000 Hz	10 mV/m/s ²

Connection alternatives:

- ❖ B = 2 pin connector MIL-C-5015
- ❖ C = Integral cable*
- ❖ CP = Integral cable*, adapter for protection tube

(* Standard cable length is 3 meters, but optional lengths may be ordered (ex. SLDXXXX-M8-L where L = cable length in meters, max. 30 m).