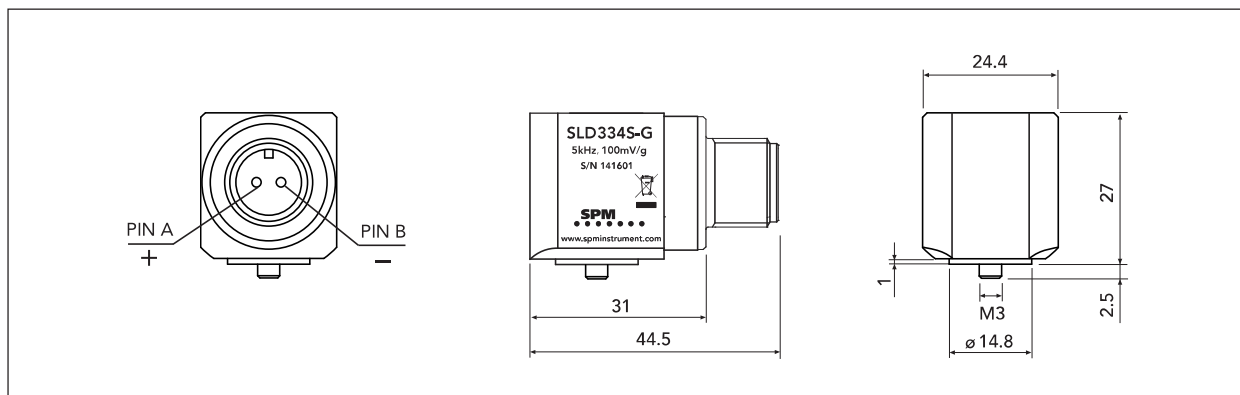


Vibration transducer SLD334S-G



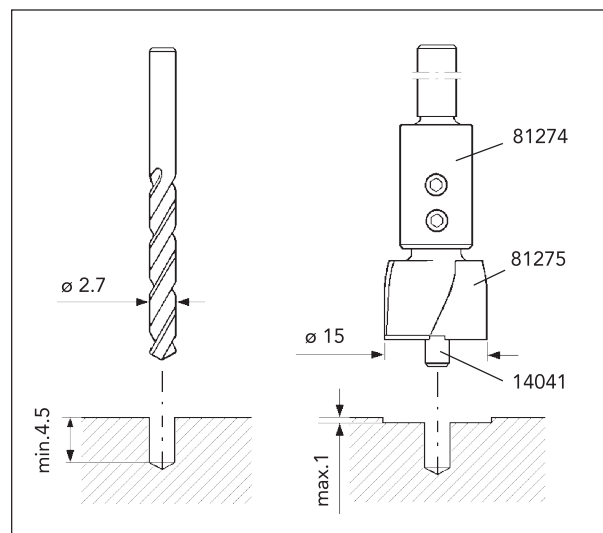
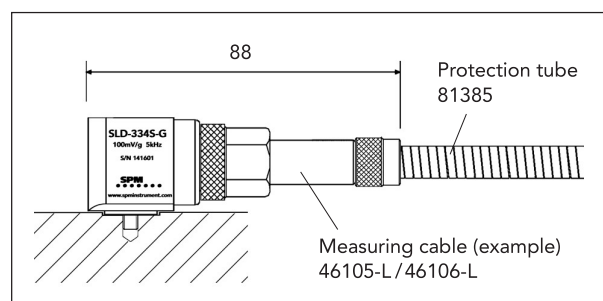
The glue-on vibration transducers SLD334S-G with side entry based on micro-electro-mechanical-systems (MEMS) technologies and can replace standard transducers on thinwalled bearing housings and on machines where the drilling of standard mounting holes would affect equipment warranties. It has a flat, circular base which is glued to the measuring point, and an M3 screw for unloading and fixing. The electrical signal is isolated from the transducer housing.

Mounting

The transducer is mounted against a smooth, flat surface on the machine. Use a 2.7 mm drill for the mounting hole and make it 4.5 mm deep. Always plane the surface with a counterbore, min. diameter 15 mm.

The recommended adhesives are 3M DP810, Loctite 638 or Loctite 480. Please read the instructions for use and follow them carefully. The screw is self-threading. Screw the transducer into the mounting hole by hand with modest torque. The torque should not be more than 1 Nm. Wait until the adhesive has hardened before connecting the cable.

The transducer is connected via a twisted pair cable with 2 pin connector. In moist environment, use the sealed connector with integrated measuring cable SPM 46162/46163 together with cable protection tube SPM 81385.



Technical specifications

Nominal sensitivity:	10 mV/m/s ² = 100 mV/g*
Transverse sensitivity:	max. 5%
Typical base strain sensitivity:	0.01 m/s ² /μ strain
Linear frequency range:	1 to 1000 Hz (±1 dB) 1 to 2000 Hz (±3 dB)
Max. peak acceleration:	10 g
Settling time:	3 sec
Bias point:	8-12 V (type 11 V)
Temperature range:	-20° to +85 °C (-4° to +185 °F)
Power requirements:	24 V/2 to 5 mA
Casing:	Stainless acid proof steel, Sandvik 1802, EN:14523
Sealing:	IP67 together with appropriate connector
Isolation:	Case isolated, > 1 Mohm
Recommended adhesive:	3M DP810, Loctite 638 or 480
Weight:	110 grams

Connector type:

Compatible with 2 pin
MIL-C-5015 style

Cable length:

max. 100 m

* Individual value given on the calibration chart.

Mounting tools

14042	Counterbore, complete
81274	Holder for counterbore
81275	Counterbore, diameter 15 mm
14041	Pilot, diameter 2.7 mm
90472	Adhesive, 3M DP810 (50ml)



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