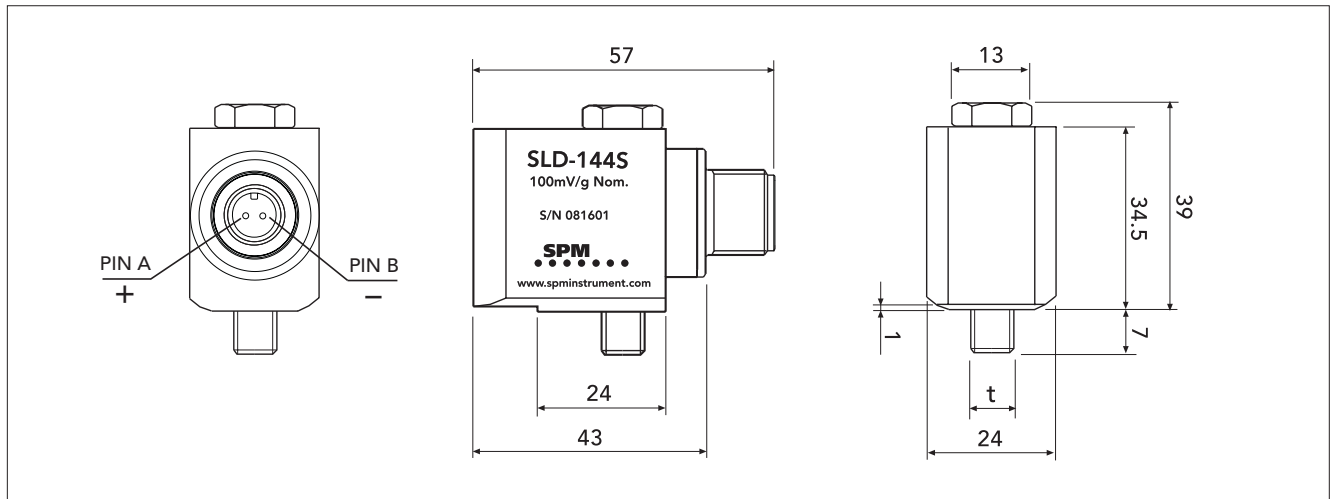


# Vibration Transducers with Side Entry



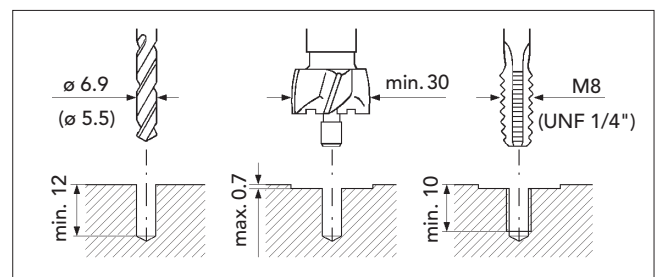
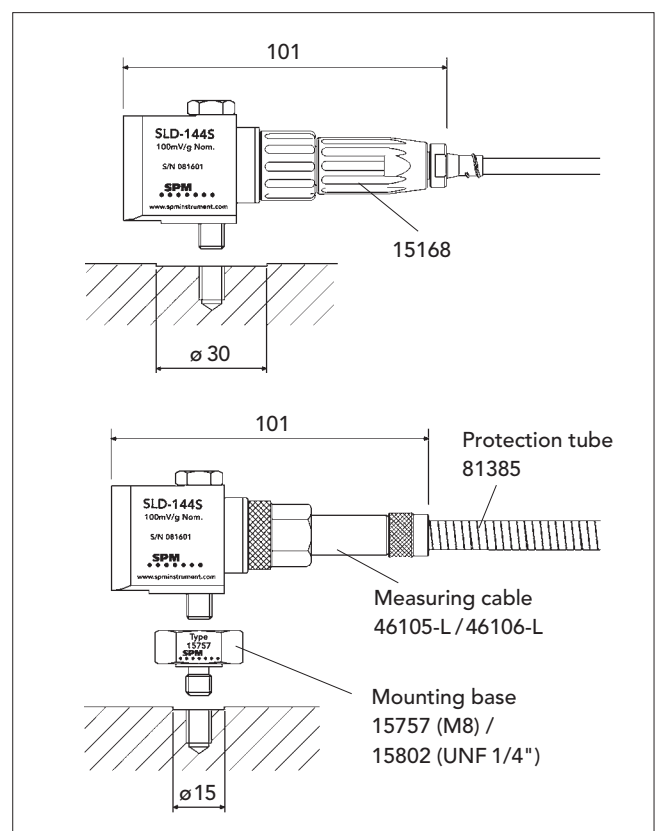
The vibration transducers series SLD144S are piezo-electric accelerometers of compression type with side entry and built-in electronics, designed for vibration monitoring of industrial machinery. The electrical signal is isolated from the transducer housing.

The transducer is mounted against a smooth, flat surface min. 30 mm in diameter (min. 16 mm is required when using mounting base SPM 15757 or 15802). The transducer has a captured bolt for mounting and is connected via a twisted pair cable with 2 pin connector. In moist environment, use the sealed connector with integrated measuring cable SPM 46105-L/46106-L together with cable protection tube SPM 81385.

## Technical data

Nominal sensitivity, main axis:	10 mV/m/s <sup>2</sup> * =100 mV/g
Transverse sensitivity:	max. 10%
Typical base strain sensitivity:	0.01 m/s <sup>2</sup> /μ strain
Linear frequency range:	2 Hz to 10 kHz (±3 dB)
Max. peak acceleration:	600 m/s <sup>2</sup> = 60 g
Settling time:	3 sec
Bias point:	11 to 14 V (typical 12 V)
Temperature range:	-40° to +125° C (-40° to 260° F)
Power requirements:	12 to 24 V, 2 to 5 mA
Casing:	Stainless acid proof steel
Sealing:	IP67 together with appropriate connector
Isolation:	Case isolated, > 1 Mohm
Torque limit:	10 Nm (7.4 lbf ft)
Weight:	200 grams (7 oz)
Connector type:	Compatible with 2 pin MIL-C-5015 style
Cable length:	max. 100 m (328 ft)

\* Individual value given on the calibration chart.



Article number	Name	Thread (t)
SLD 144S	Vibration transducer	M8
SLD 144S-UNF	Vibration transducer	UNF 1/4"

## Mounting tools

- 81393 Holder for counterbore
- 81394 Pilot for UNF 1/4"
- 81395 Pilot for M8
- 81396 Counterbore, diameter 30 mm

