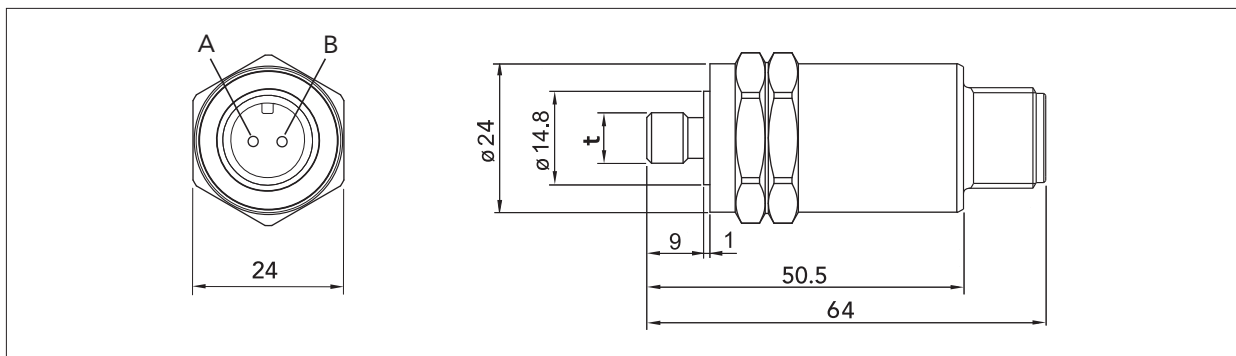


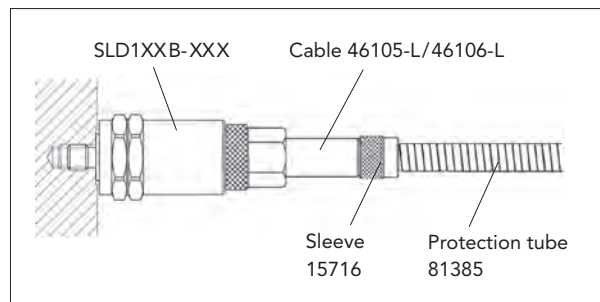
# Vibration Transducers Series SLD100 with Top Entry



The vibration transducers series SLD100 are piezo-electric accelerometers of compression type with built-in electronics, designed for vibration monitoring of industrial machinery. The transducer is mounted against a smooth, flat surface on the machine. The electrical signal is isolated from the transducer housing. 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 46105-L/46106-L together with cable protection tube SPM 81385. The SLD144 transducer is also available in a version that allows temperature measurement with the online system Intellinova Parallel EN, see TD-562.

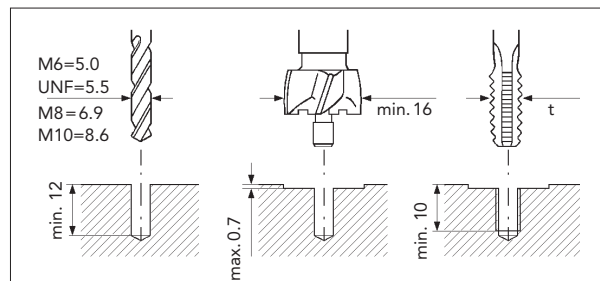
## Technical specifications

Transverse sensitivity: max. 10%  
 Base strain sensitivity: 0.01 m/s<sup>2</sup>/μ strain typical  
 Linear frequency range: 2 Hz to 10 kHz (± 1 dB)  
 Max. peak acceleration: 600 m/s<sup>2</sup> = 60 g  
 Settling time: 3 sec  
 Temperature range: -40 °C to +125 °C  
 (-40 °F to +257 °F)  
 Power requirements: 24 V, 2 to 5 mA  
 Isolation: case isolated, > 10 Mohm  
 Casing: stainless acid proof steel Sandvik 1802, EN:1.4523  
 Sealing: IP66/67  
 Thread (t): M6x1.0, M8x1.25, M10x1.5 or UNF 1/4"-28  
 Torque limit: 10 Nm (7.4 lbf·ft)  
 Weight: 110 grams (4 oz)  
 Connection: 2 pin connector, MIL-C-5015 style  
 Cable length: max. 100 m (328 ft)  
 (cable capacitance 210 pF/m)



Part number	Frequency range (±1 dB)	Sensitivity *	Bias (typical)
SLD121	2-1000 Hz	1.2 mV/m/s <sup>2</sup> = 12 mV/g	6-9 V (8 V)
SLD122	2-5000 Hz	4 mV/m/s <sup>2</sup> = 40 mV/g	6-9 V (8 V)
SLD144	2-10 000 Hz	10 mV/m/s <sup>2</sup> = 100 mV/g	10-13 V (12 V)

\* Individual value given on the calibration chart.



## Mounting Tools

81027 Holder for counterbore  
 81057 Counterbore, diameter 20 mm  
 81030 Pilot for M6 or UNF 1/4"-28  
 81031 Pilot for M8  
 81033 Pilot for M10

To drill the mounting hole, use drill bit 5.0 mm (M6), 6.9 mm (M8), 8.6 mm (M10) or 5.5 mm (UNF 1/4"-28). Torque the transducer with a 24 mm torque wrench.

ARTICLE NO: SLD1XX B - XXX  
 A B C

A. Part number See table  
 B. Connection B = 2 pin connector MIL-C-5015  
 C. Thread (t) M6, M8, M10 or UNF

SERIAL NO: XXXXX  
 Year Week Number



Technical data are subject to change without notice.