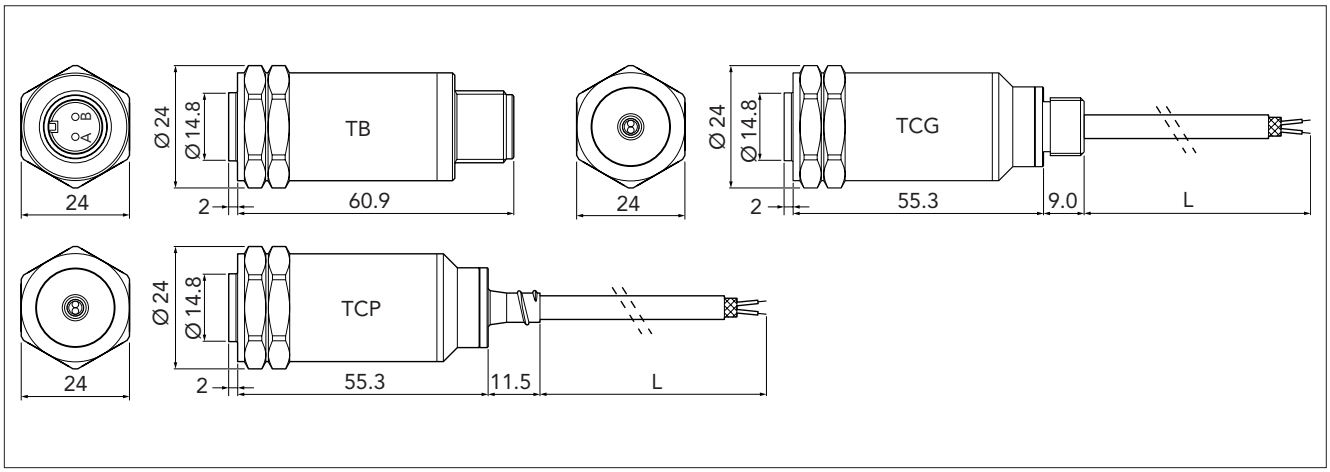
4-20 mA vibration transmitters



The 4-20 mA vibration transmitters are accelerometers that provide a 4-20 mA output signal proportional to the true RMS value of vibration velocity. The transmitters can be connected to common process control systems (PLC, DCS). The electrical signal is isolated from the transmitter housing. The transmitters operate by using power from a standard 4-20 mA loop.

The transmitter is installed on a flat machine surface. For mechanical fastening, mounting studs (available as accessories) with thread size M6, M8, M10, or UNF 1/4" are used. The connection of the mounting studs is made through a tapped hole with an M8 thread on the transmitter.

Technical specifications

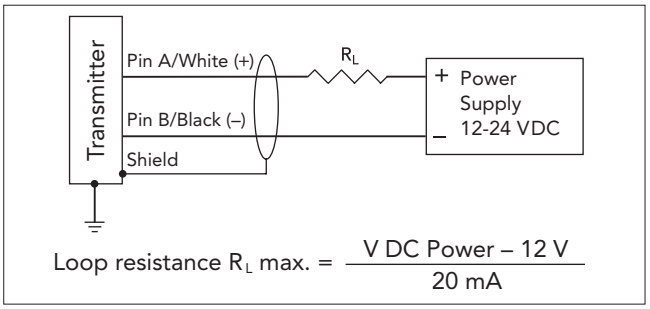
Output signal:	4 to 20 mA
Tolerance:	4 mA ±5%, 20 mA ±10%
Turn-on time:	< 60 seconds
Transverse sensitivity:	< 5%
Maximum acceleration:	15 g
Repeatability:	< 3%
Operating temperature:	–40° to +85 °C (–40° to +185 °F)
Power requirements:	12 to 24 V DC
Loop resistance:	R_L max. 600 Ω at 24 V DC
Casing:	stainless acid-proof steel, Sandvik 1802, EN:1.4523
Sealing:	IP66/67
Isolation:	case isolated, >10 Mohm
Cable type:	90389, shielded twisted pair. High temp. cable on request
Mounting thread:	M8, tapped hole
Torque limit:	10 Nm (7.4 lbf·ft)
Weight:	approx. 70 grams (2.5 oz) excl. cable

ARTICLE NO: SLD7XX | TXX - XX
A B C

A.	Part number	See table
B.	Connection	TB = 2-pin connector MIL-C-5015 TCP = Integral cable, adapter for protection tube 81385 TCG = Integral cable, adapter for PG7 protection tube
C.	Cable length (L)	3, 5, 10, or 20 m (integral)

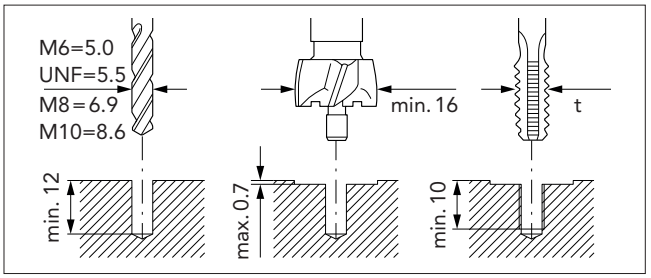
SERIAL NO: XX | XX | XXX
Year | Week | Number

Installation example



Loop resistance R_L max. = $\frac{\text{V DC Power} - 12\ \text{V}}{20\ \text{mA}}$

Part numbers	Measuring range	Frequency range
SLD722	0-12.5 mm/s, 0.5 ips	2-1000 Hz
SLD723	0-25 mm/s, 1 ips	2-1000 Hz
SLD724	0-50 mm/s, 2 ips	2-1000 Hz
SLD732	0-12.5 mm/s, 0.5 ips	10-1000 Hz
SLD733	0-25 mm/s, 1 ips	10-1000 Hz
SLD734	0-50 mm/s, 2 ips	10-1000 Hz



Installation tools

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

To drill the installation hole, use drill bit 6.9 mm (M8), 8.6 mm (M10), or 5.5 mm (M6 and UNF 1/4"-28). Tighten the transmitter with a 24 mm torque wrench.

Accessories

18177	Mounting stud M8-M6 (TD-287)
18178	Mounting stud M8-M10 (TD-287)
18179	Mounting stud M8-UNF 1/4"x28 (TD-287)
18180	Mounting stud M8-M8 (TD-287)

CE

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Technical data are subject to change without notice.
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