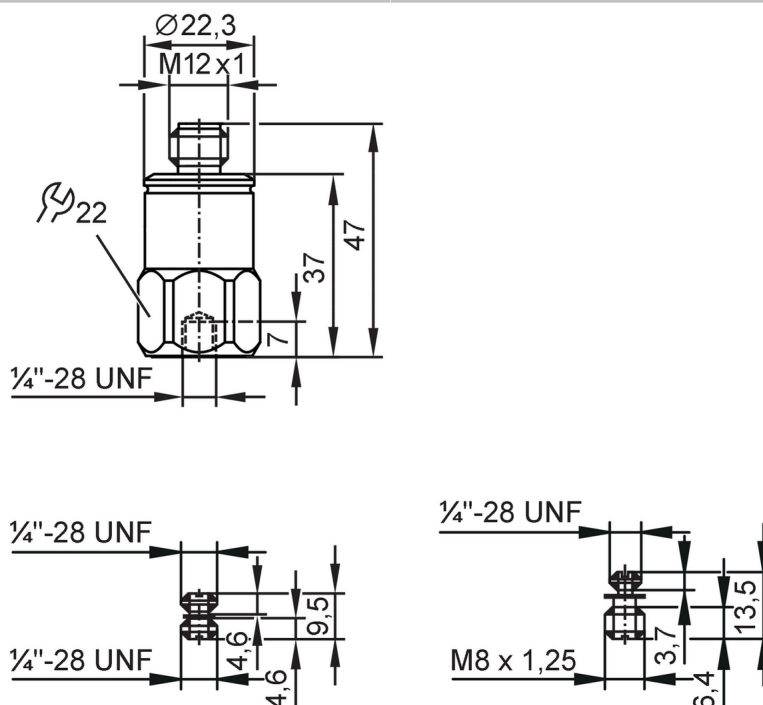


VSP010



Accelerometer

VIBRATION SENSOR



1 M8 x 1,25



Product characteristics

Measuring range of vibration [g]	-80...80; (-50...50 g when connected to a VSE)
Frequency range [Hz]	0.5...14000
Measuring principle	piezoelectric, shear
Communication interface	IEPE

Application

Design	for connection to external diagnostic electronics VSE
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Electrical data

Operating voltage [V]	18...30 DC
Bias voltage DC [V]	12
Current consumption [mA]	2...10
Min. insulation resistance [MΩ]	100; (500 V DC)
Reverse polarity protection	yes

Measuring/setting range

Measuring range of vibration [g]	-80...80; (-50...50 g when connected to a VSE)
Frequency range [Hz]	0.5...14000
Measuring principle	piezoelectric, shear
Noise density [mg]	0.1
Max. transverse sensitivity [%]	5
Number of measurement axes	1

Accuracy / deviations

Accuracy	± 10 %: 1...9000 / ± 3 dB: 0.5...14000
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VSP010



Accelerometer

VIBRATION SENSOR

Measuring sensitivity	100 mV/g
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Interfaces

Communication interface	IEPE
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Operating conditions

Ambient temperature	[°C]	-55...120
Storage temperature	[°C]	-55...120
Protection		IP 67; IP 68; IP 69

Tests / approvals

EMC	EN 61326-1 : 2021	
Shock resistance	DIN EN 60068-2-27	5000 g

Mechanical data

Weight	[g]	122.25
Housing		cylindrical
Type of mounting		set screw
Dimensions	[mm]	Ø 22.3
Materials		housing: stainless steel (316L/1.4404)
Length	[mm]	47

Accessories

Items supplied	set screw 1/4"-28 UNF
	set screw 1/4"-28 UNF/M8

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: 4



Connection

1	not used
2	IEPE +
3	not used
4	IEPE -