

SV42 Vibration Sensor

Overview

The SV42 is a compact and robust vibration sensor used to monitor and detect misalignment or imbalance in motors, fans, centrifuges, compressors, generators and other machinery. Widely used in industrial applications, the SV42 is a key part of any plants preventive maintenance plan.

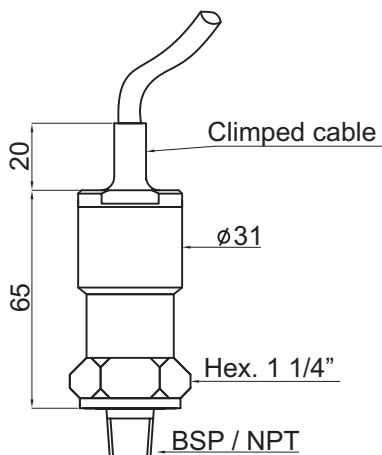
The sensor measures the mechanical vibration speed in a range of 10, 25 and 50 mm/s rms on non-rotating surface and converts it to signal 4...20mA (2-wire) proportional with great precision and stability even when applied to large equipment .

The SV42 can be installed with a threaded fixed base or magnetic base (recommended when you need to remove or easily move the sensor).

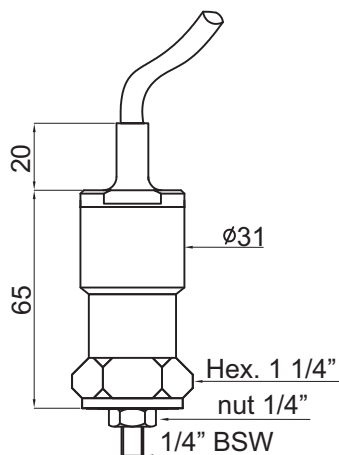


Dimensions (mm)

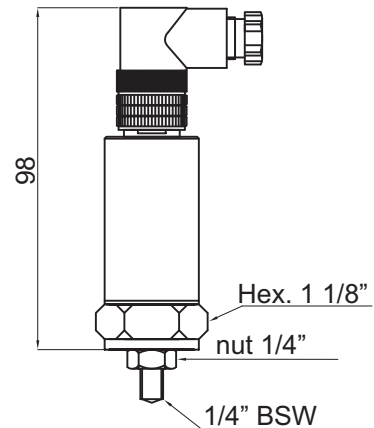
SV - Cable



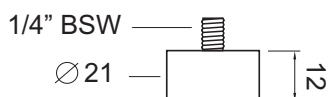
Screw and Nut



SV - M12 connector



Magnet



Technical characteristics

Application: Identify misalignment and imbalance in industrial equipment

Power Supply: 10...30 Vdc

Consumption: max. 22mA

Output: 4...20 mA (2 wires)

Isolation: 500Vrms between circuit and housing

Accuracy / Stability / Linearity: $\pm 0.5\%$ FS

Range: 10, 25 and 50 mm / s RMS

Electrical Connection: M12 connector

Body Material: Stainless Steel 316

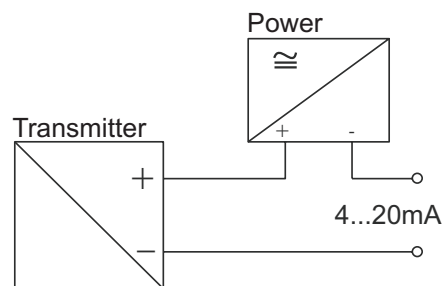
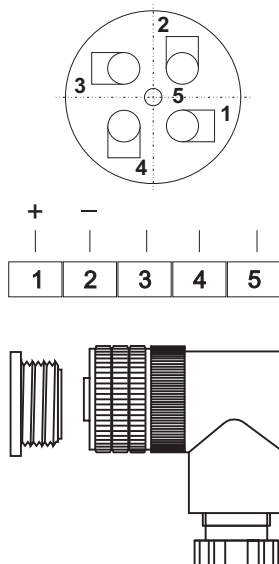
Protections: Polarity Reversal / Interference
Electromagnetic / Electrical Surges

Operating Temperature: -10 to 70 °C

Protection: IP67 (IEC 60529)

Electrical Connection

M12 Connector



Order Information

MODEL	
MV42	Vibrating Sensor (4...20mA)
DIMENSION	
1	1/4"
2	3/8"
3	1/2"
X	Outros
PROCESS CONNECTION	
B	BSP
N	NPT
W	SCREW AND NUT 1/4" (whit worth)
HOUSING	
SC	NONE
RANGE	
R	Especify (RMS)
R10	0...10 RMS
R20	0...20 RMS
R25	0...25 RMS
R50	0...50 RMS
ELECTRICAL CONNECTION	
M	M12 connector
S	Poliethene cable with 2 meters clipped
ACCESSORIES	
0	NONE
M	Magnetic

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Sitron - Brasil
 R. Baronesa de Itu, 83
 São Paulo - SP - 01231-001
 T.: (5511) 3825-2111
 F.: (5511) 3825-2171

Sitron - USA
 1800 Prime Place
 Hauppauge, NY 11788
 PH: 516-935-8001

www.sitron.com
 BRASIL: vendas@sitron.com
 USA / Other Countries: info@sitron.com