

Features

- Built-in precision integration circuit with true RMS 4-20mA output
- For absolute vibration speed measurement of equipment faults
- Isolated floating position, industrial field monitoring, strong anti-interference performance

RS PRO Industrial vibration sensor

RS Stock No.: 0767716



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

This is a piezoelectric acceleration sensor based on a specialised high-precision design with a precision integration circuit embedded inside. The piezoelectric crystal is used as the sensitive element, and there are no moving parts inside, so no degradation or wear will occur.

Measurement of absolute (relative to the free surface) vibration of bearing housings, shells or structures, suitable for all kinds of harsh environments in industrial fields.

General Specifications

Rang (Valid value)	0~50mm/s
Output (Valid value)	4~20mA
Amplitude Non-linearity	<2%
Frequency Response	10Hz ~ 1kHz (±1dB)
Transverse Sensitivity	≤5%

Electrical Specifications

Supply Voltage	15VDC~30VDC
Install Ground Insulation	≥10 ⁸ Ω

Environment Specifications

Operation Temp	-40℃~+85℃
Shock Resistance(peak)	2000 g

Physical

Structural Style	Cutting
Shell Material	316L Stainless Steel
Output way	M12 two-core socket
Installation	1/4-28
Protection Class	IP65
Weight	~80g

Accessory

Erection Bolt	1/4-28 turn M8
Connecting Cable	M12 two-core connecting Cable x 3m

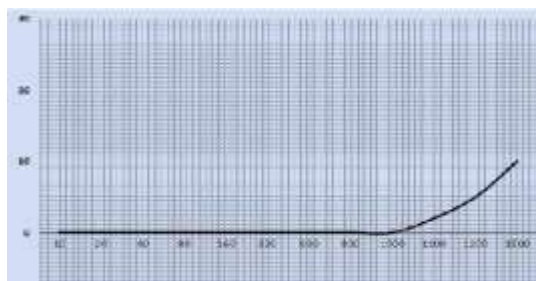
Approvals

Compliance/Certifications	ROHS
	CE

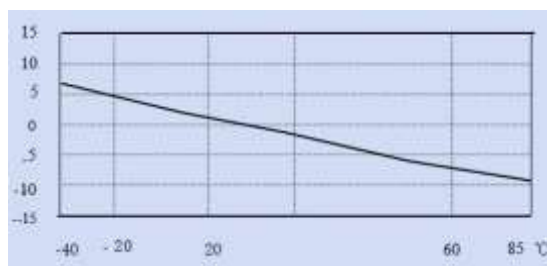
Dimension and Wiring



Typical frequency response



Temperature characteristics diagram



Mounting Method

