High sensitivity, filtered accelerometer

799M

SPECIFICATIONS

Sensitivity, ±5%, 25°C		1 V/g
Acceleration range		5 g peak
Amplitude nonlinearity		1%
Frequency response:	±5% ±10% ±3 dB	0.6 - 1,200 Hz 0.4 - 1,600 Hz 0.2 - 2,500 Hz
Resonance frequency		18 kHz
Transverse sensitivity, max		5% of axial
Temperature response:	–50°C +80°C	-7% +5%
Power requirement: Voltage source Current regulating diode		15 - 30 VDC 2 - 10 mA
Electrical noise, equiv. g: Spectral	0.1 Hz 1 Hz 10 Hz 100 Hz	15 μg 3 μg/√Hz 1 μg/√Hz 1 μg/√Hz
Output impedance, max		400 Ω
Bias output voltage		8.0 VDC
Grounding		case isolated, internally shielded
Temperature range		–50° to +80°C
Vibration limit		250 g peak
Shock limit		5,000 g peak
Electromagnetic sensitivity, equiv. g		150 μg/gauss
Sealing		hermetic
Base strain sensitivity, max		0.0005 g/µstrain
Sensing element design		PZT, shear
Weight		205 grams
Case material		316L stainless steel
Mounting		1/4-28 tapped hole
Output connector		2 pin, MIL-5015 style
Mating connector		R6 type
Recommended cabling		J9T2A



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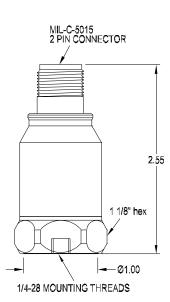
20017 Rho (MI)

Tel. +39 02 36569371 Lotto 1 - Edificio A13-14 info@danetech.it www.danetech.it



Key features

- · High sensitivity, ultra low noise
- Manufactured in ISO 9001 facility



Connections Function Connector pin power/signal А В common shell ground

Accessories supplied: SF6 mounting stud (metric mounting available; calibration data (level 3)

CE

Note: Due to continuous process improvement, specifications are subject to change without notice. This document is cleared for public release.

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8435 Progress Drive Frederick, MD 21701 USA

Tel: +1 (301) 330-8811 Fax: +1 (301) 330-8873 info@wilcoxon.com

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