

Industrial accelerometer 793I

Features

- Reduced ignition spark interference
- No overload protection

Dynamic

Sensitivity, $\pm 5\%$	100 mV/g
Frequency response:	
$\pm 5\%$	3 Hz to 3 kHz
$\pm 10\%$	2 Hz to 6 kHz
± 3 dB	1 Hz to 10 kHz
Acceleration range, operating	± 50 g peak
Transverse sensitivity, max	5%

Electrical

Noise floor, 2.5 Hz to 25 kHz, nominal	50 μ g
Bias output voltage, nominal	12 VDC
Output impedance	<100 Ω
Power requirement:	
Voltage source	18 - 30 VDC
Constant current source	2 - 10 mA
Grounding	ground isolated

Environmental

Material of exposed metal	316 SS
Temperature range	-50 to 121°C
Continuous vibration limit	500 g
Shock limit	5,000 g

Physical

Weight	110 grams
Connector	2 pin, MIL-C-5015
Mounting	1/4-28 tapped hole
Case size	2.5" overall, 1.8" to connector

Notes: ¹ To minimize the possibility of signal distortion for high vibration signals, 24 to 30 VDC powering is recommended. A higher level constant current sources should be used when driving long cables (please consult Wilcoxon customer service).