## **Piezoelectric velocity transducer**

786V

## SPECIFICATIONS

Sensitivity, ±5%, 25°C	100 mV/in/sec
Velocity range	50 in/sec peak
Amplitude nonlinearity	±1% of F.S.
Frequency response: ±10% ±3 dB	2 - 6,000 Hz 1 - 12,000 Hz
Resonance frequency, nominal	30 kHz
Transverse sensitivity, max	5% of axial
Power requirement: Voltage source Current regulating diode	18 - 30 VDC 2 - 10 mA
Electrical noise, equiv. in/sec, nominal: Broadband 2.5 Hz to 25 kHz Spectral 10 Hz 100 Hz 1,000 Hz	2,050 µin/sec rms 250 µin/sec/√Hz 12 µin/sec/√Hz 5 µin/sec/√Hz
Output impedance, max	200 Ω
Bias output voltage, nominal	12 VDC
Grounding	case isolated, internally shielded
Temperature range	–50° to +120°C
Vibration limit	500 g peak
Shock limit	5,000 g peak
Electromagnetic sensitivity, equiv. in/sec	25 μin/sec/gauss
Sealing	hermetic
Relative humidity	100%
Protection rating	IP67
Sensing element design	PZT, shear
Weight	90 grams
Case material	316L stainless steel
Mounting	1/4-28 UNF tapped hole
Output connector	2 pin, MIL-C-5015 style
Mating connector	R6 type
Recommended cabling	J9T2A

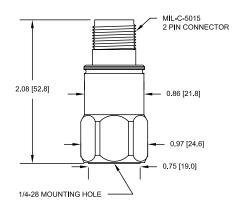


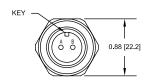


## Key features

· Internally integrated to velocity

- High frequency range
- Manufactured in ISO 9001 facility





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

Accessories supplied: SF6 mounting stud; calibration data (level 2)

## 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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