

Industrial accelerometer

786C

SPECIFICATIONS

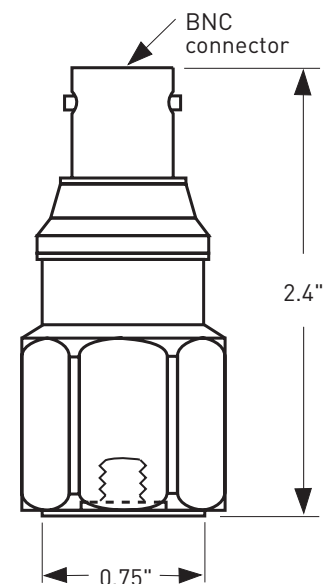
Sensitivity, $\pm 5\%$, 25°C	100 mV/g
Acceleration range, VDC > 25 V	80 g peak
Amplitude nonlinearity	1%
Frequency response, nominal:	
$\pm 10\%$	1 - 9,000 Hz
± 3 dB	0.5 - 14,000 Hz
Resonance frequency, mounted, nominal	30 kHz
Transverse sensitivity, max	5% of axial
Temperature response:	
-25°C	-10%
+120°C	+10%
Power requirement:	
Voltage source	18 - 30 VDC
Current regulating diode	2 - 10 mA
Electrical noise, equiv. g, nominal:	
Broadband 2.5 Hz to 25 kHz	700 μ g
Spectral 10 Hz	10 μ g/ $\sqrt{\text{Hz}}$
100 Hz	5 μ g/ $\sqrt{\text{Hz}}$
1,000 Hz	5 μ g/ $\sqrt{\text{Hz}}$
Output impedance, max	100 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. g, max	70 μ g/gauss
Sealing¹	IP67
Base strain sensitivity, max	0.0002 g/ μ strain
Weight	90 grams
Case material	316L stainless steel
Mounting	1/4-28 UNF tapped hole
Connector	BNC

Notes: ¹ The 786C employs a watertight epoxy seal.

Accessories supplied: SF6 mounting stud

Key features

- General purpose with BNC connector
- Manufactured in ISO 9001 facility



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