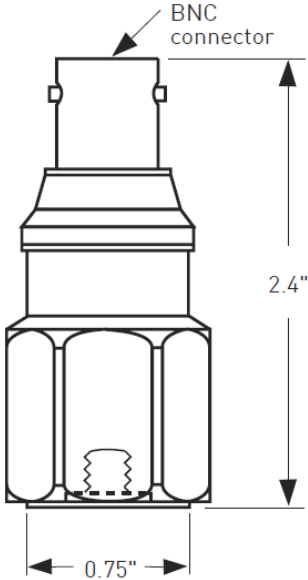


General purpose industrial piezoelectric accelerometer 786C

Key features

Certifications



Connections	
Function	Connector pin
power/signal	A
common	B

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

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Wilcoxon Sensing Technologies
 An Amphenol Company

General purpose industrial piezoelectric accelerometer 786C

SPECIFICATIONS

Sensitivity, ±5%, 25° C	100 mV/g
Acceleration range	80 g peak
Amplitude nonlinearity	1%
Frequency response, nominal:	
± 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:	
-50° C	-10%
+120° C	+5%
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 µg
Spectral 10 Hz	10 µg/√Hz
100 Hz	5 µg/√Hz
1,000 Hz	5 µg/√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 µg/gauss
Sealing	IP67
Base strain sensitivity, max	0.0002 g/µstrain
Weight	90 grams
Case material	316L stainless steel
Mounting	1/4-28 UNF tapped hole
Connector	BNC

Contact

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Accessories supplied:

- SF6 mounting stud

Note: the 786C employs a watertight epoxy seal.

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