

High frequency integral cable accelerometer

712F-M4



Via Italo Calvino 7
Lotto 1 - Edificio A13-14
20017 Rho (MI)

Tel. +39 02 36569371
info@danetech.it
www.danetech.it



SPECIFICATIONS

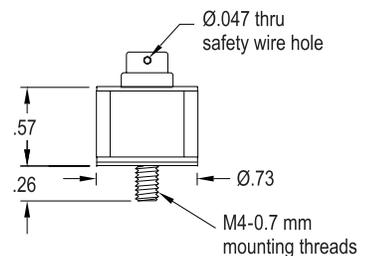
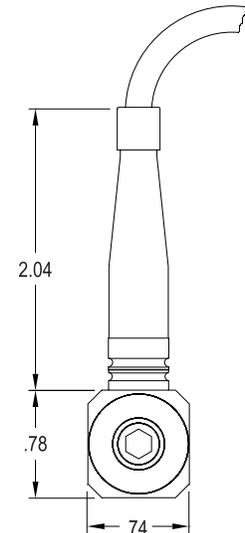
Sensitivity, $\pm 10\%$, 25°C	100 mV/g
Acceleration range	60 g peak
Amplitude nonlinearity	1%
Frequency response:	
$\pm 5\%$	9.0 - 15,000 Hz
$\pm 10\%$	6.0 - 20,000 Hz
± 3 dB	3.0 - 25,000 Hz
Resonance frequency, mounted	>45 kHz
Transverse sensitivity, max	3% of axial
Temperature response:	
-50°C	-10%
+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	1,000 μ g
Spectral 10 Hz	25 μ g/ \sqrt Hz
100 Hz	10 μ g/ \sqrt Hz
1,000 Hz	8 μ g/ \sqrt 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	$\pm 1,000$ g
Shock limit, max	5,000 g peak
Sealing	hermetic
Base strain sensitivity, max	0.03 g/ μ strain
Sensing element design	PZT ceramic / shear
Weight	35 grams
Case material	316L stainless steel
Mounting	M4 captive screw with 0.047" diameter safety wire hole
Integral cabling	J9T2AK, 16 ft., blunt cut

Accessories supplied: M4 captive screw; calibration data (level 2)



Key features

- Compact size, lightweight
- High frequency detection (25 kHz)
- 8-32 mounting option available
- Manufactured in ISO 9001 facility



Connections	
Function	Cable conductor color
power/signal	white
common	black
case	shield



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

Wilcoxon Sensing Technologies
An Amphenol Company

8435 Progress Drive
Frederick, MD 21701
USA

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

buy.wilcoxon.com
www.wilcoxon.com