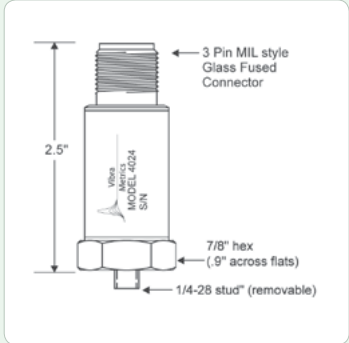


Models 4024

High-Temperature Charge-Type Accelerometer



DESCRIPTION AND FEATURES

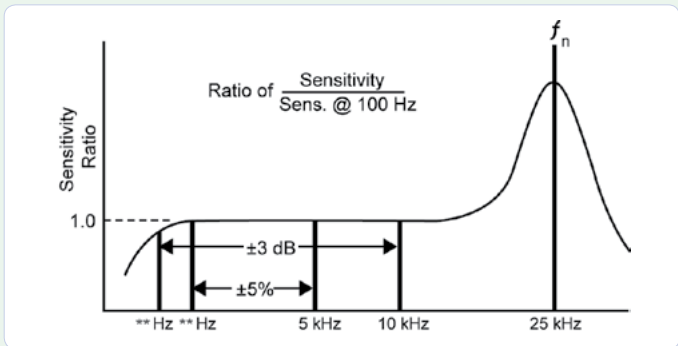
The 4000 Series of EEPE (External Electronic Piezo-Electric) accelerometers are designed with external circuitry to be used in elevated temperature environments where standard IEPE or ICP accelerometers will not function. Generally, above temperatures around 350°F (176°C), EEPE accelerometers (also known as Charge-Type) sensors should be used.

The Model 4024 features a top 3-pin MIL connector, and 1/4-28 stud mounting, suitable for operation to 450°F (232°C).

- 25 pC/g
- Broad Frequency Range
- High Temperature Operation
- 3-Pin MIL 5015 Connector

APPLICATIONS

- Turbines
- Engines
- Furnaces
- Experimental
- Flue Gas Atomizers



OPERATING SPECIFICATIONS

Dynamic

Sensitivity @ 100 Hz, ± 10%	.....25 pC/g - 2.55 pC/(m/s ²)
Frequency Range ± 5%	.....** Hz - 5 kHz
Frequency Range ± 10%	.....** Hz - 7 kHz
Frequency Range ± 3 dB	.....** Hz - 10 kHz
Amplitude Range	.....± 500 g
Mounted Resonance	.....> 25 kHz
Transverse Sensitivity	.....< 5%
Amplitude Linearity	.....< 2%

** Low Frequency Response Depends on Charge Amplifier

Environmental

Temperature Range	.....-40 to 450°F / -40 to 232°C
Base Strain	.....0.003 g peak/μstrain
Shock Limit	.....5000 g

Physical

Dimensions	.....2.5" h x .87" Hex (5.8 x 2.2 xm)
Weight	.....3.2 oz. / 90 grams
Case Material	.....304 Stainless Steel
Design	.....Compression Seal
Seal	.....Welded
Mounting	.....1/4-28 Removable Stud
Mounting Torque	.....35 in-lb (3.9 N-m)
Connector	.....Top 3-Pin MIL 5015
Connector Pinout	.....PIN A (+), PIN B (-),PIN C (Connected to case)

ORDERING INFORMATION AND ACCESSORIES

Model 4024, Mfr. Part No. 9357252	
In-line Charge Amp	.....CA-04-0515
Cable Assembly, Softline, 3-pin MIL to TNC(M), Tefzel	
2-conductor shielded twisted pair cable	.....4002-5085

Sensors include

- NIST Traceable Calibration
- Mounting Stud
- User Manual
- 1-Year Warranty

WORLDWIDE HEADQUARTERS:
195 Clarksville Rd •
Princeton Jct, NJ 08550 • USA
T: +1.609.716.4000 • F: +1.609.716.0706
E-MAIL: sales.systems@mistrasgroup.com

CANADA T: +1.403.556.1350
CHINA T: +86.10.5877.3672
FRANCE T: +331.498.26040
GERMANY T: +49.040.2000.4025
GREECE T: +30.210.2846.801

HOLLAND T: +31.010.245.0325
INDIA T: +91.22.2586.2444
JAPAN T: +81.33.498.3570
MIDDLE EAST T: +44(0)1954.231.612
RUSSIA T: +7495.789.4549

SCANDINAVIA T: +46(0)31.252040
S. AMERICA T: +55.11.3082.5111
UK T: +44(0)1954.231.612