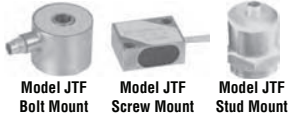


Model JTF General Purpose Accelerometer



- 0 Hz operation
- Easy calibration
- Low impedance
- Two different designs depending upon range

How to order: (Quick-ship range/option combinations available. See Web site.)
Combine the model code and range code. For example:

AG111 **GV**
Model code Range code

Order codes

- AG111 Model JTF general purpose accelerometer screw mount
- AG112 Model JTF general purpose accelerometer bolt mount
- AG113 Model JTF general purpose accelerometer stud mount

Range codes

Range code	Available ranges (peak G)	Sensitivity nominal	Sensitivity range	Usable frequency range	Mounted resonant frequency
GJ	±5 G	8 mV/G	5 mV/G to 12 mV/G	0 Hz to 300 Hz	800 Hz
GK	±10 G	3.8 mV/G	2.4 mV/G to 5 mV/G	0 Hz to 400 Hz	1000 Hz
GL	±20 G	1.8 mV/G	1.2 mV/G to 2.4 mV/G	0 Hz to 600 Hz	1500 Hz
GN	±50 G	0.8 mV/G	0.5 mV/G to 1.2 mV/G	0 Hz to 1000 Hz	2000 Hz
GP	±100 G	0.38 mV/G	0.24 mV/G to 0.5 mV/G	0 Hz to 1500 Hz	3000 Hz
GV	±200 G	0.18 mV/G	0.12 mV/G to 0.24 mV/G	0 Hz to 2000 Hz	4000 Hz

Notes

1. Output voltage is proportional to input voltage.
2. Only available with AG112 and AG113.

Specifications

Performance

Dynamic range	±5 G to 200 G (peak G)
Sensitivity	See range code table
Transverse sensitivity	Less than 5 %
Frequency range	See range code table
Frequency response ¹	±5 %
Non-linearity and hysteresis	±1 % full scale
Mounted base resonance	See range code table
Damping ratio (nominal)	0.7 C @ 21 °C [70 °F]

Environmental

Temperature, operating	-40 °C to 121 °C [-40 °F to 250 °F]
Temperature, compensated	21 °C to 93 °C [70 °F to 200 °F] ¹
Temperature effect, zero (max.)	0.02 % full scale/ °F
Temperature effect, sensitivity (max.)	±10 %

Electrical

Excitation, calibration	5 Vdc
Excitation, acceptable	Up to 10 Vdc
Electrical termination, AG111	Teflon cable 1,5 m [5 ft]
Electrical termination, AG112/AG113	10-32 UNF 4-pin connector
Mating connector	10-32 UNF socket plug ²

Mechanical

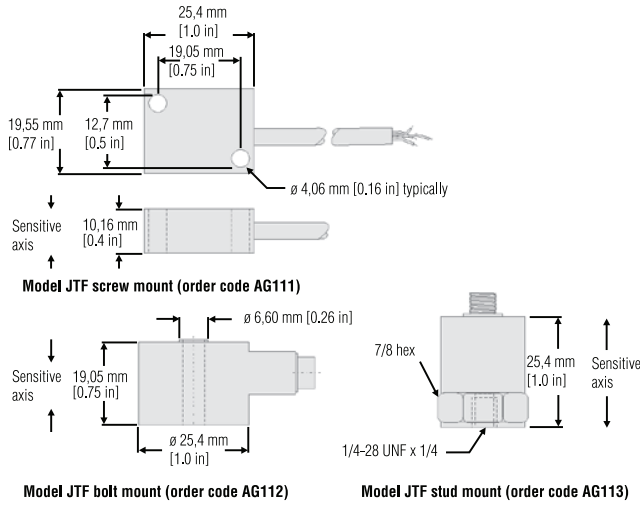
Acceleration limits (any direction)	x20
Weight, AG111	0,03 kg [1 oz]
Weight, AG112 & AG113	0,06 kg [2.1 oz]
Case material, AG111	Anodized Aluminum
Case material, AG112 and AG113	Stainless steel

Not RoHS compliant.

Option codes

AG111	Many range/option combinations are available in our quick-ship and fast-track manufacture programs. Please see http://sensing.honeywell.com/TMsensor-ship for updated listings.
Range	5 G, 10 G, 20 G, 50 G, 100 G, 200 G

Mounting dimensions and characteristics



For reference only

Wiring codes

Screw mount	
Red	(+) Excitation
Black	(-) Excitation
Green	(-) Output
White	(+) Output

Bolt or stud mount



Typical system diagram

