Model 1201F Accelerometer

DC Response
Durable Cable
Reliable Performance
Low Cost

DESCRIPTION

The Model 1201F accelerometer is a small, compact uniaxial device designed for vehicle impact and road testing. Its mechanical overload stops provide high shock protection in rugged applications. Featuring ranges from 50 g to 1000g and frequency response to 3000 Hz, this sensor is easily mounted in hard to get places on vehicles under test.

FEATURES

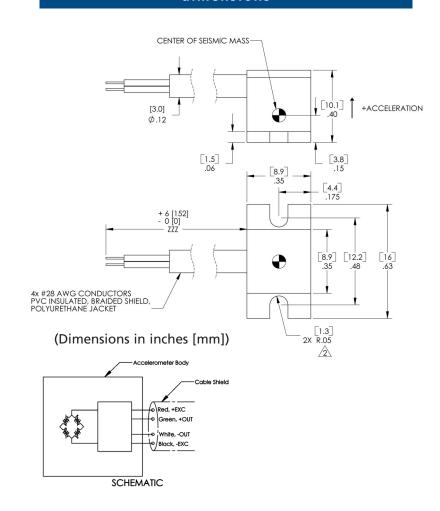
- ◆ 2nd GEN MEMS Sensing Element
- ◆ 1000 g Full Scale Range
- ◆ 2-10 VDC Excitation for Maximum Flexibility
- ◆ 0-50 °C Temperature Compensation
- ◆ ±40 mV Zero Measurand Output
- ◆ Gas Damping
- ◆ Connector Options
- ♦ Mechanical Overload Stops
- ◆ Designed for Screw Mounting

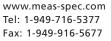
APPLICATIONS

- Crash Testing
- ◆ Impact Testing
- ◆ Off-Road Testing
- ◆ Road Testing



dimensions





Email: vibration@meas-spec.com

RevB 1/4/06



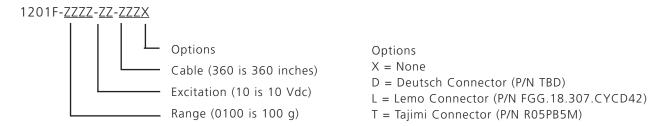
Model 1201F Accelerometers

performance specifications

All values are typical at 25 °C, 100 Hz and 10 Vdc excitation unless otherwise stated. Measurement Specialties reserves the right to update and change these specifications without notice.

		Units	Notes
	±1000	g	
0.2	0.15	mV/g	
2700	3000	Hz	±10%
>10K	>10K	Hz	Gas Damped
±1.0	±1.0	% FSO	
		%	Typical
		mV	
		%Span	Typical
		%/°C	0-50°C
		Vdc	
		Ω	Typical
		Ω	Typical
		ΜΩ	MAX
ecified			Dallas DS2401
ral, Tinned Leads	s or Customer Spec	cified	Lemo, Deutsch, Tajimi
		RED	28 AWG, PVC insulate
		BLACK	28 AWG, PVC insulate
		GREEN	28 AWG, PVC insulate
		WHITE	28 AWG, PVC insulate
		N/A	Braided Wires
		WHITE	POLYURETHANE
luminum			Black
luminum			Black
		grams	Without Cable
rew Mount		3	
5000	5000	g's	
2000		°C	
			Epoxy sealed
	5000 -2	5000 5000 -20 to +85	

ordering information



Example: 1201F-1000-10-360X

Model 1201F, 1000g Full Scale Range, 10Vdc excitation, 360 inches cable, no options

www.meas-spec.com Tel: 1-949-716-5377 Fax: 1-949-916-5677 Email: vibration@meas-spec.com

