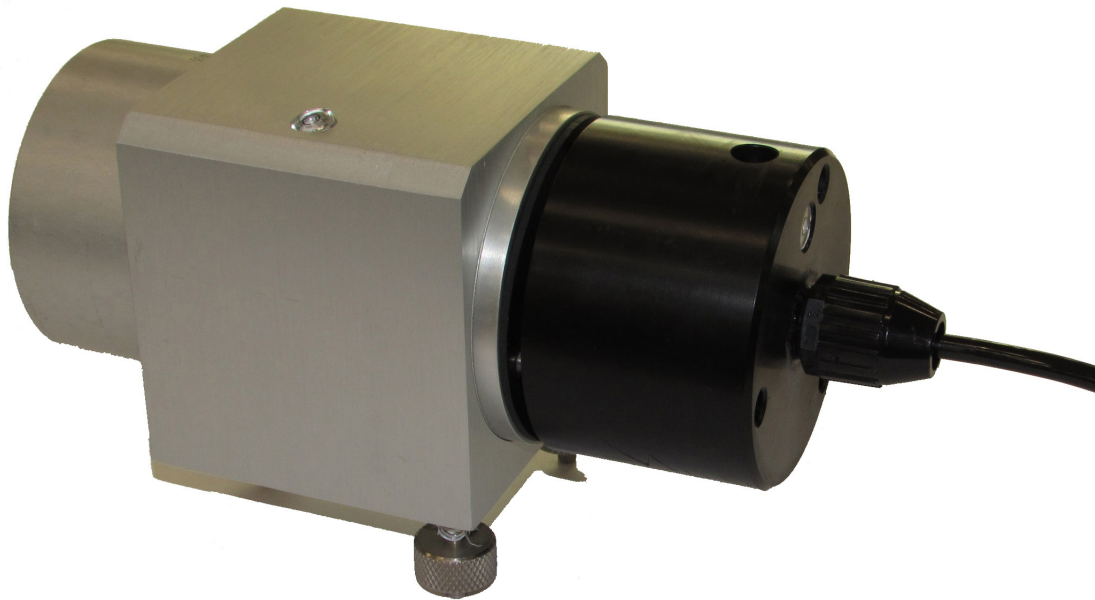


GS-1 Seismometer



Low Frequency Seismometer

- Low Frequency 1.0 Hz and 2.0 Hz models available
- Excellent for detecting motion for structural analysis, geologic hazards, and vibration isolation
- Sensitivity range from 3 to 19 V/in/sec.
- Vernier spring adjustment included

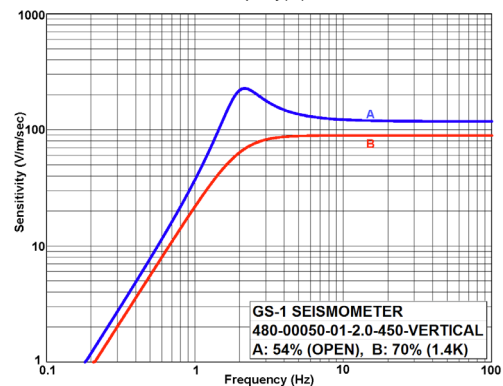
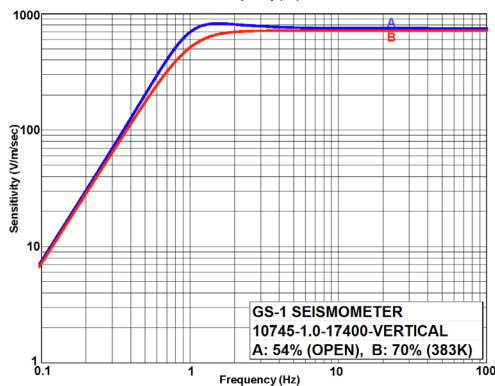
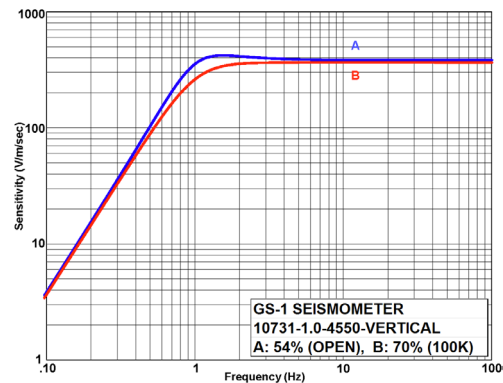
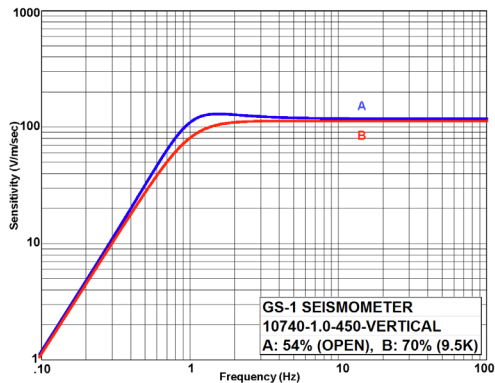
GS-1 Seismometer

MECHANICAL SPECIFICATIONS

Coil Excursion pk-pk	> 6.35 mm	> 0.25 in.
Diameter	7.6 cm	3.0 in.
Height	16.4 cm	6.45 in.
Weight	1.96 kg	4.32 lbs.
Operating and Storage Temperature Range	-40°C to +60°C	-40°F to +140°F

SPECIFICATIONS @ 25° C

Model	1 Hz - 450 Ω		1 Hz - 4550 Ω		1 Hz - 17400 Ω		2 Hz - 450 Ω	
	VT	HZ	VT	HZ	VT	HZ	VT	HZ
Orientation	VT	HZ	VT	HZ	VT	HZ	VT	HZ
Tilt Angle	7.5° typ.	0.5° typ.	7.5° typ.	0.5° typ.	7.5° typ.	0.5° typ.	15° typ.	0.5° typ.
Moving Mass	700g		700 g		700 g		690 g	
Frequency @ specified orientation	1.0 Hz ± 10%		1.0 Hz ± 10%		1.0 Hz ± 10%		2.0 Hz ± 10%	
Resistance	450 Ω ± 5%		4550 Ω ± 5%		17400 Ω ± 5%		450 Ω ± 5%	
Intrinsic Sensitivity	118 V/m/sec ± 10% 3.00 V/in/sec ± 10%		380 V/m/sec ± 10% 9.7 V/in/sec ± 10%		748 V/m/sec ± 10% 19.0 V/in/sec ± 10%		118 V/m/sec ± 10% 3.00 V/in/sec ± 10%	
Open Circuit Damping	0.54 ± 0.11		0.54 ± 0.11		0.54 ± 0.11		0.27 ± 0.06	
Damping Constant (B _c R _t)	1,586		16,579		63,611		793	



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