

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

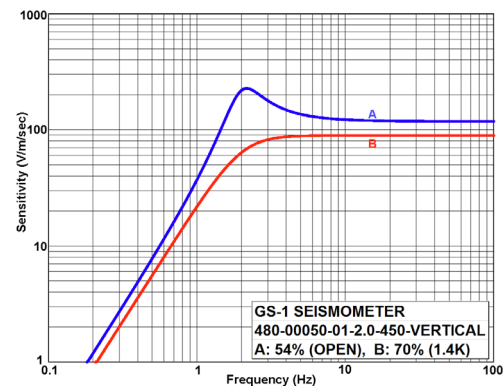
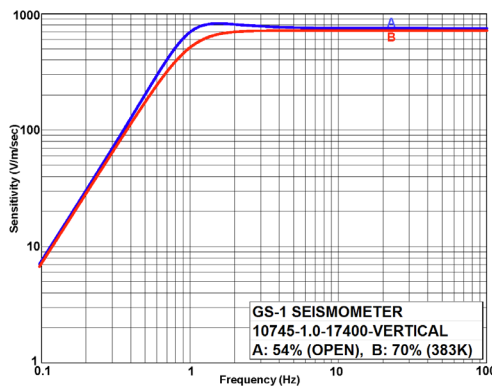
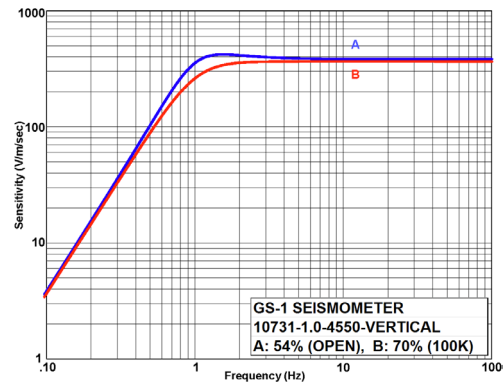
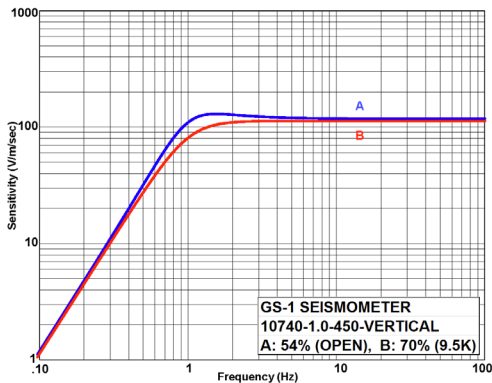
MECHANICAL SPECIFICATIONS

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,R)	1,586		16,579		63,611		793	

All rights reserved. Specifications subject to change at sole discretion of Geospace Technologies.



7007 Pinemont Drive • Houston, Texas 77040 USA

www.geospace.com

Tel: 713-986-4444 • Fax: 713-986-4445

GEOSPACETECHNOLOGIES
ENGINEERING RESOURCES INTERNATIONAL, INC.

Geospace Technologies, Canada
2735 - 37th Avenue N.E.
Calgary, Alberta,
T1Y 5R8 Canada
403 250-9600

Geospace Technologies, China
Room 700, 7th Floor
Lido Office Tower, Lido Place
Jichang Road, Jiang Tai Road
Beijing, 100004, P.R.China
011 (86) 10 6437 8768

Geospace Technologies
Sucursal Sudamericana
Carrera 127-22 G 28 Int. 30
Agrupación Industrial La Esperanza
Bogotá, Colombia
011-57-1-742-7414

Geospace Technologies, Eurasia
Kirovogradskaya, 36
Ufa, Baskortostan
Russia 450001
011 (7) 3472 25 39 73

Geospace UK
F3 Bramingham Business Park,
Enterprise Way, Luton
Bedfordshire LU3 4BU, England
011 44 (0) 7775 688 467