

GS-ONE LF



4.5 Hz Geophones
More Low-Frequency Response

MECHANICAL SPECIFICATIONS

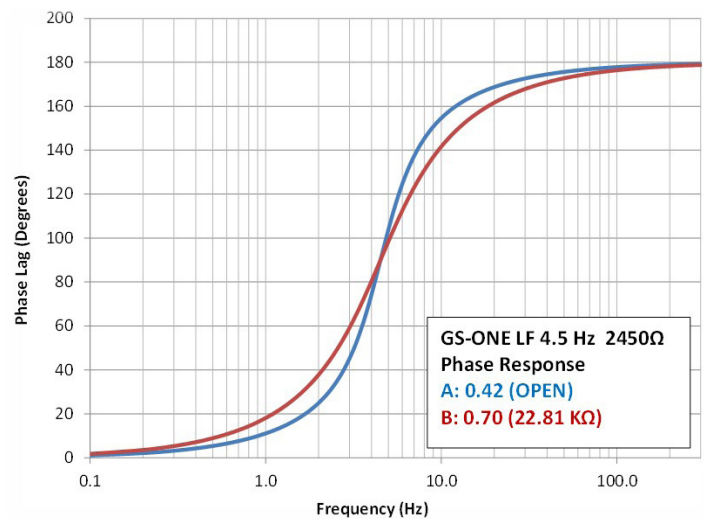
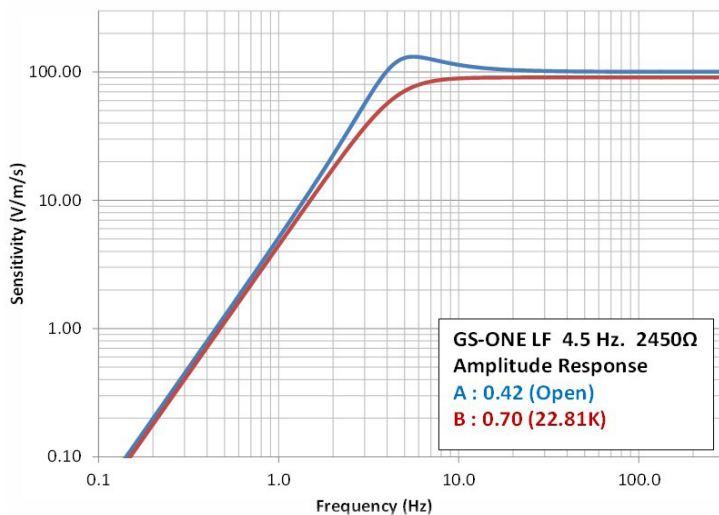
Moving Mass	25.2 g	0.889 oz
Maximum coil excursion p-p	3.05 mm	0.120 in.
Diameter	30.5 mm	1.2 in.
Height	40.6 mm	1.6 in.
Weight	131 g	4.62 oz
Operating and Storage Temperature Range	-40°C to +80°C	-40°F to +176°F

ELECTRICAL SPECIFICATIONS

All parameters are specified at 25°C in the vertical position unless otherwise stated.

Open-circuit sensitivity	2.55 V/in/s (100.4 V/m/s) +10%, -10%
Frequency	4.5 Hz ± 0.75 Hz
Spurious frequency	120 Hz Typical
Distortion at vertical	0.25% Typical measured at 12 Hz with 0.7 in/s p-p
Open-circuit damping	0.42 ± 0.10
Coil resistance	2450 Ω $\pm 5\%$
Sensitivity with 20 kΩ load	2.27 V/in/s (89.4 V/m/s) Typical
Damping with 20 kΩ load	0.735 Typical
Tilt angle when coil hit end stop	24° from vertical Typical

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MECHANICAL SPECIFICATIONS

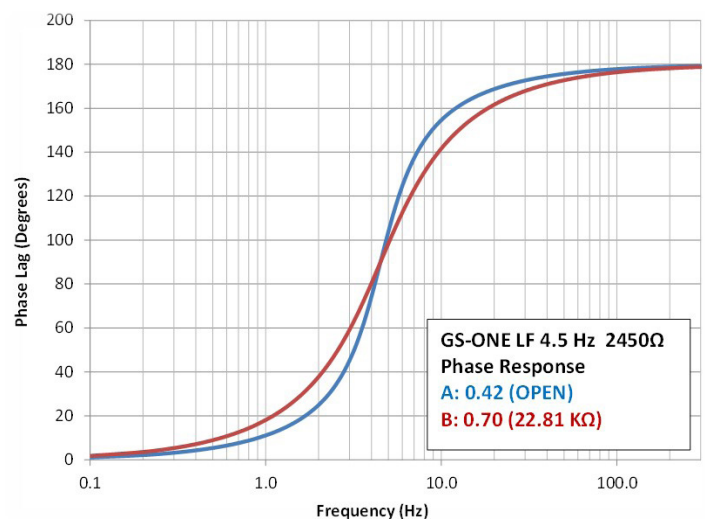
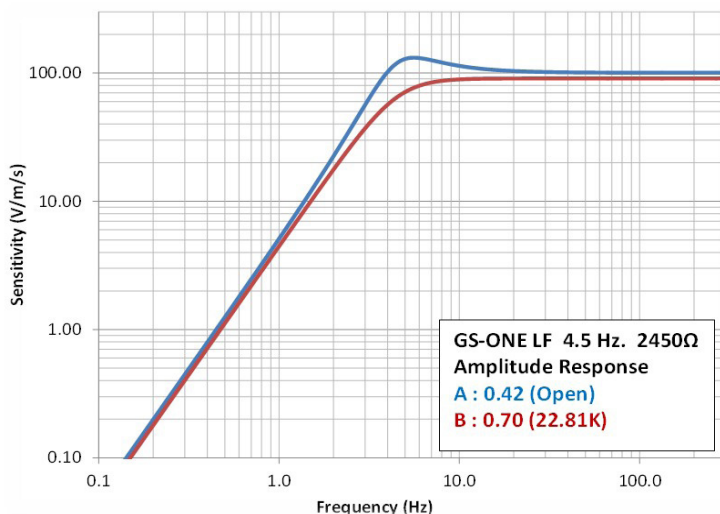
Moving Mass	25.2 g	0.889 oz
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Weight	131 g	4.62 oz
Operating and Storage Temperature Range	-40°C to +80°C	-40°F to +176°F

ELECTRICAL SPECIFICATIONS

All parameters are specified at 25°C in the horizontal position unless otherwise stated.

Open-circuit sensitivity	2.55 V/in/s (100.4 V/m/s) +10%, -10%
Frequency	4.5 Hz $\pm$ 0.75 Hz
Spurious frequency	120 Hz Typical
Distortion at horizontal	0.25% Typical measured at 12 Hz with 0.7 in/s p-p
Open-circuit damping	0.42 $\pm$ 0.10
Coil resistance	2450 Ω $\pm$ 5%
Sensitivity with 20 kΩ load	2.27 V/in/s (89.4 V/m/s) Typical
Damping with 20 kΩ load	0.735 Typical
Tilt angle when coil hit end stop	5° Typical from horizontal

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GS-ONE LF in Land Case with GSX1 Recorder and BN6 Battery



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

592-15720-01 Rev. A

7007 Pinemont Drive • Houston, Texas 77040 USA

www.geospace.com

Tel: 713-986-4444 • Fax: 713-986-4445



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