

GS-ONE LF GEOPHONE



4.5 Hz Geophones More Low-Frequency Response

GS-ONE LF

VERTICAL

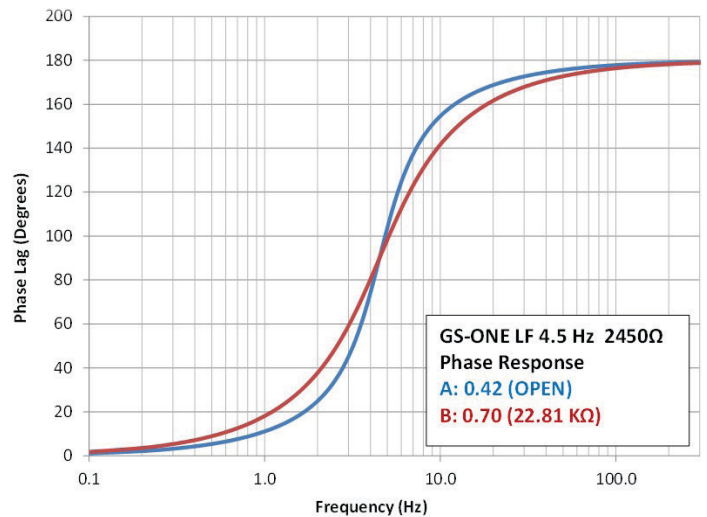
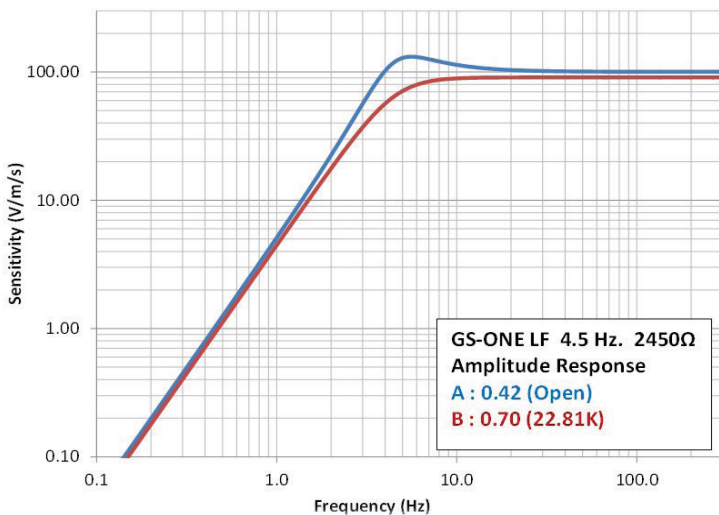
MECHANICAL SPECIFICATIONS

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 \pm 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 \pm 0.10
Coil resistance	2450 Ω \pm 5%
Sensitivity with 20 k Ω load	2.27 V/in/s (89.4 V/m/s) Typical
Damping with 20 k Ω load	0.735 Typical
Tilt angle when coil hit end stop	24° from vertical Typical



GS-ONE LF

HORIZONTAL

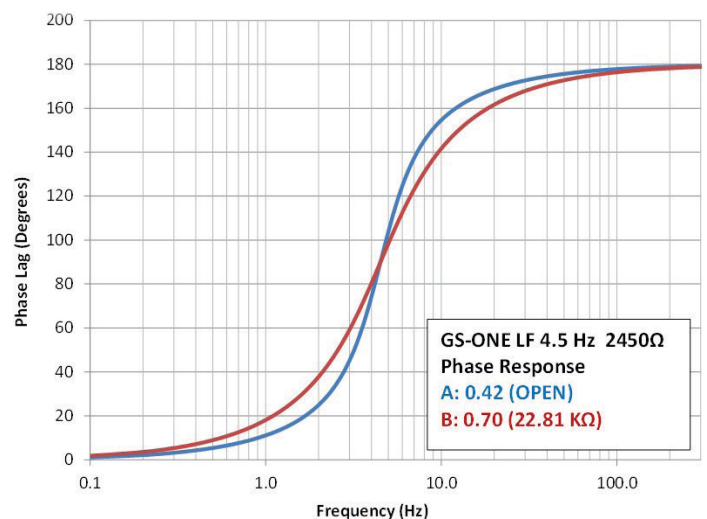
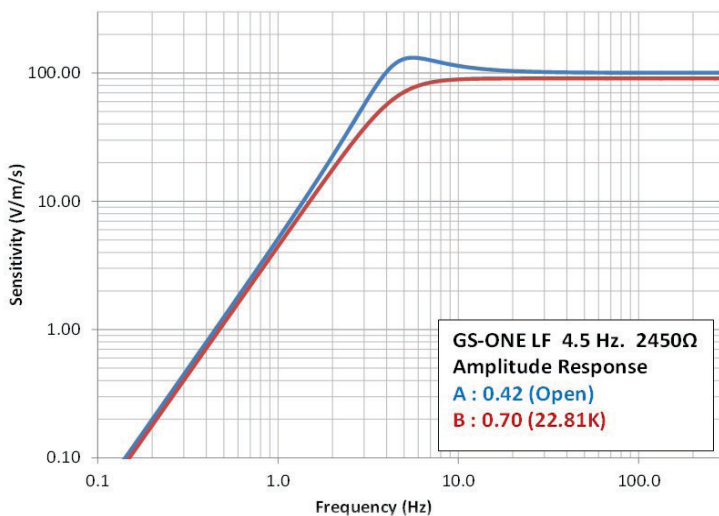
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ELECTRICAL SPECIFICATIONS

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

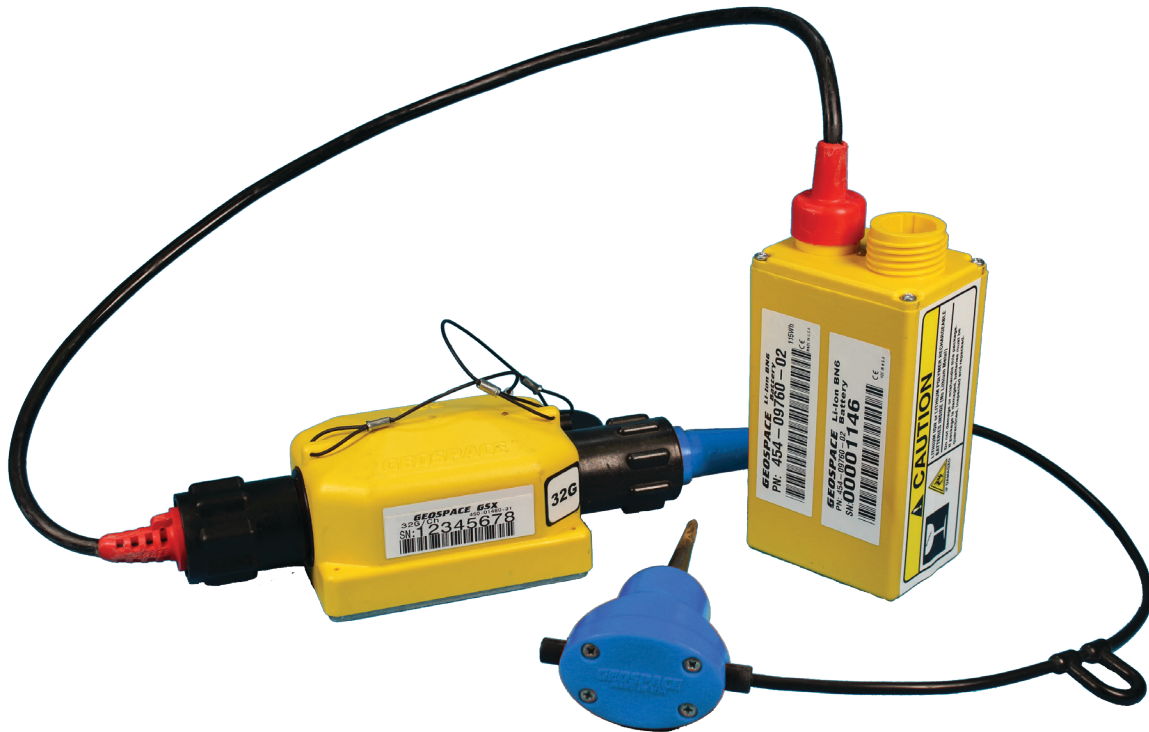
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Sensitivity with 20 k Ω load	2.27 V/in/s (89.4 V/m/s) Typical
Damping with 20 k Ω load	0.735 Typical
Tilt angle when coil hit end stop	5° Typical from horizontal



Specifications subject to change at sole discretion of Geospace Technologies.

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

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