

GS-ONE LF



**5 Hz Geophones
More Low-Frequency Response**

MECHANICAL SPECIFICATIONS

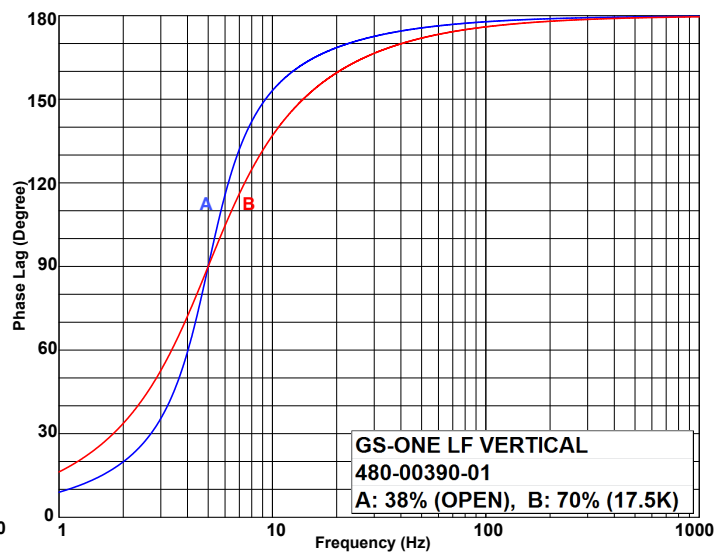
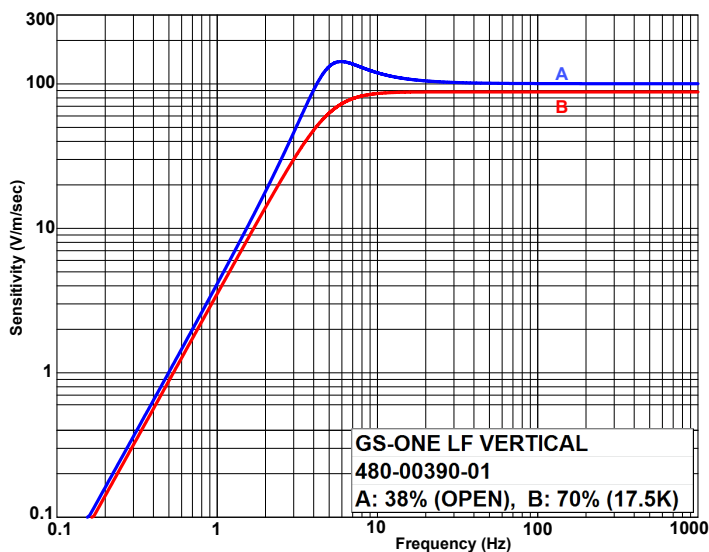
Moving Mass	25.2 g	0.889 oz
Maximum coil excursion p-p	3 mm	0.120 in.
Diameter	30.5 mm	1.2 in.
Height	40.7 mm	1.6 in.
Weight	131 g	4.60 oz
Operating and Storage Temperature Range	-40°C to +80°C	-40°F to +176°F

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) +5%, -5%
Frequency	5 Hz ±0.5 Hz
Spurious frequency	160 Hz Typical
Distortion at vertical	<0.15% measured at 12 Hz with 0.7 in/s p-p
Open-circuit damping	0.31 to 0.45
Coil resistance	2450 Ω ±5%
Sensitivity with 20 kΩ load	2.27 V/in/s (89.4 V/m/s) Typical
Damping with 20 kΩ load	0.67 Typical
Tilt angle when coil hit end stop	30° from vertical

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MECHANICAL SPECIFICATIONS

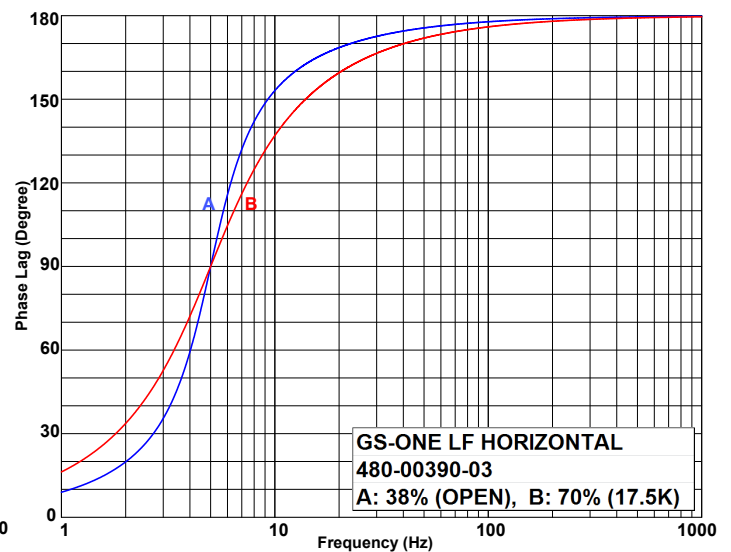
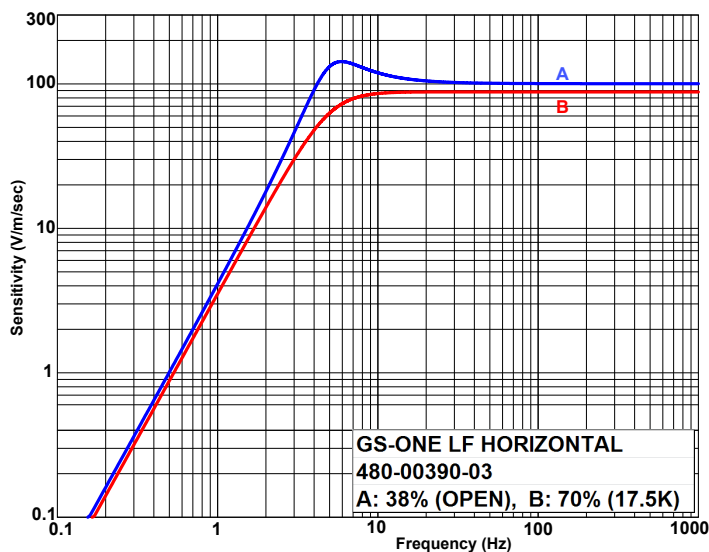
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Coil resistance	2450 Ω ±5%
Sensitivity with 20 kΩ load	2.27 V/in/s (89.4 V/m/s) Typical
Damping with 20 kΩ load	0.67 Typical
Tilt angle when coil hit end stop	8° from horizontal

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



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