

OMNI-DIRECTIONAL GEOPHONE**FOR ANY TILT ANGLE****PRODUCT DESCRIPTION**

The OMNI-X-LT combines close tolerances with low harmonic distortion and high spurious response. This geophone provides unique, in-axis vibration-monitoring sensitivity regardless of tilt angle.

FEATURE HIGHLIGHTS

- Moving mass: 12.0g (0.423 ounces)
- Maximum coil excursion p-p: Less than 4.06mm (0.060 inches)
- Diameter is 28.4 mm (1.12 inches)
- Height less terminals is 39.47 mm (1.55 inches)
- Weight is 120.00g (4.23 ounces)
- Operation and Storage Temperature Range -45 to 100°C
- Operation and Storage Temperature Range -49 to 212°F

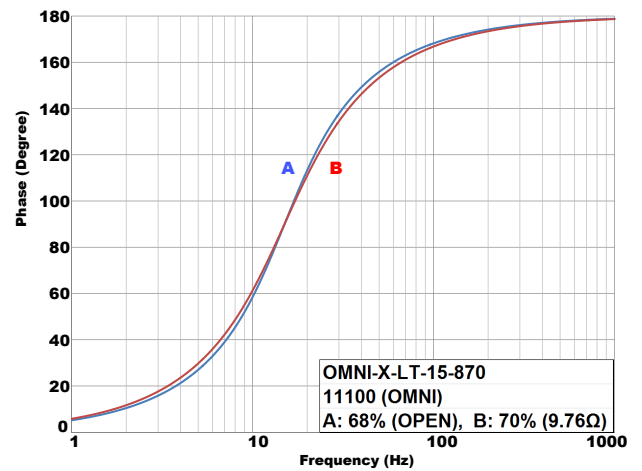
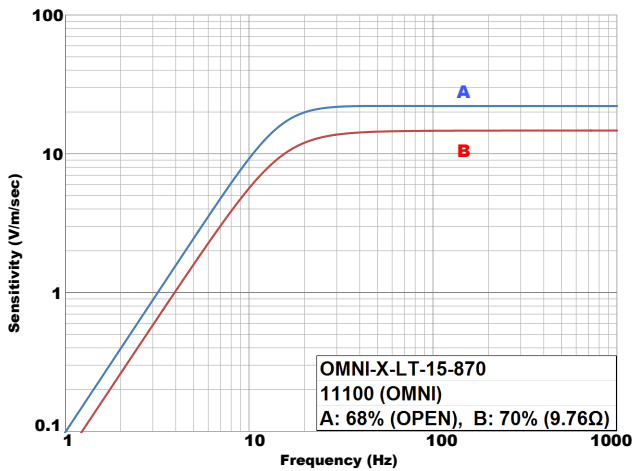
MECHANICAL SPECIFICATIONS

	METRIC	US
Orientation	Horizontal to $\pm 90^\circ$	
Moving Mass	12.0 g	0.423 oz
Maximum Coil Excursion p-p	> 4.06 mm	>0.06 in.
Diameter	2.84 cm	1.12 in.
Height (less terminals)	3.94 cm	1.55 in.
Weight	120 g	4.23 oz
Storage Temperature	-45° to $+100^\circ$ C	-49 to $+212^\circ$ F
Operating Temperature (Maximum)	$+100^\circ$ C continuous duty	$+ 212^\circ$ F continuous duty

ELECTRICAL SPECIFICATIONS @25°C

Frequency	15 Hz *	
Spurious Frequency	> 160 Hz	
Distortion	< 0.20%	
Coil Resistance	870 Ω *	
Open-Circuit Sensitivity	22.0 V/m/s	0.560 V/i/s
Sensitivity at 70% Damping	20.236 V/m/s	0.514 V/i/s
Open-Circuit Damping	68%	
Tilt Angle when coil hits end stop	N/A	

* Other frequencies and resistances available.



SOLUTIONS FOR A SMARTER FUTURE

Specifications subject to change at sole discretion of Geospace Technologies.