

MINIATURE OMNI-DIRECTIONAL GEOPHONE**HIGH PERFORMANCE WHILE WITHSTANDING EXTREME SHOCK****PRODUCT DESCRIPTION**

The GS-14 is a miniature, self-generating velocity detector designed for vibration monitoring in rugged environments. It withstands extreme shock with no change in performance characteristics. The GS-14 has been used as a reliable component in sonobuoys, smart fuses, and intrusion-detection systems.

FEATURE HIGHLIGHTS

- Shock
 - GS-14-L3: 5000 G
 - GS-14-L9: 1000 G
- Operating and Storage Temperature Range
 - GS-14-L3: -40 to +85°C (-40 to 185°F)
 - GS-14-L9: -45 to +100°C (-49 to 212°F)

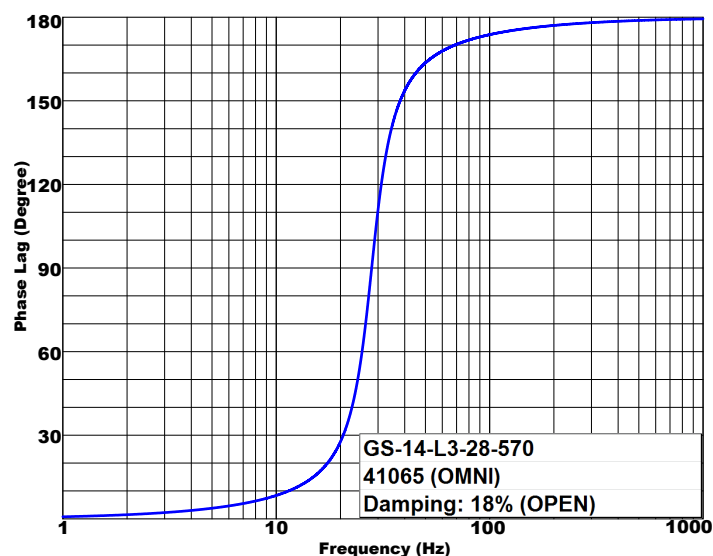
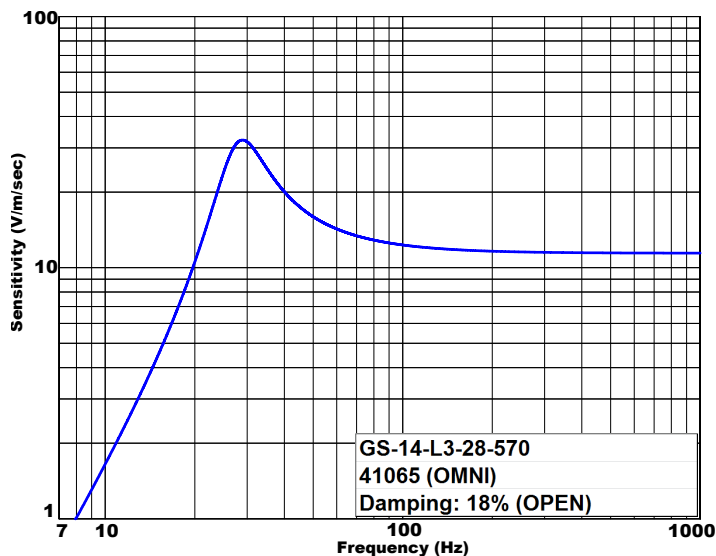
PHYSICAL SPECIFICATIONS

	GS-14-L3	GS-14-L9
Orientation	Omni	Omni
Moving Mass	2.15 g (0.076 oz)	2.15 g (0.076 oz)
Inertial Mass	2.15 g (0.076 oz)	2.15 g (0.076 oz)
Diameter	1.68 cm (0.66 in.)	1.9 cm (0.75 in.)
Height	1.73 cm (0.68 in.)	1.82 cm (0.73 in.)
Weight	19 g (0.67 oz)	27 g (0.95 oz)

ELECTRICAL SPECIFICATIONS

	GS-14-L3	GS-14-L9
Specifications at 25°C		
Frequency	28 Hz *	28 Hz *
Spurious Frequency	N.S. / N.A.	N.S. / N.A.
Distortion at Vertical	N.S. / N.A.	N.S. / N.A.
Coil Resistance	570 Ω *	1500 Ω *
Open-Circuit Sensitivity	11.42 V/m/s (0.29 V/i/s)	23.62 V/m/s (0.60 V/i/s)
Sensitivity at 70% Damping	N.S.	N.S.
Open-Circuit Damping	18%	31%

*Other frequencies and resistances available



SOLUTIONS FOR A SMARTER FUTURE

Specifications subject to change at sole discretion of Geospace Technologies.