HIGH-TEMPERATURE GEOPHONE

SMALL SIZE, HIGH OUTPUT

PRODUCT DESCRIPTION

The OMNI 2400 High-Temperature Geophone has been tested at 200°C for more than 300 hours with no loss in performance specifications. Its design structure and super-strength magnetic field make the output of this small geophone equal to or greater than the output of larger vibration monitoring units. Its rotating dual-coil construction withstands severe shocks and rough handling. The patented PCB header provides easy and reliable electrical connections.

FEATURE HIGHLIGHTS

- All units tested at 200°C
- Ideal for VSP, triaxial, and gimbal downhole operations
- Full one-year warranty
- Patented PCB header
- 100% burn-in of basic units

OMNI 2400

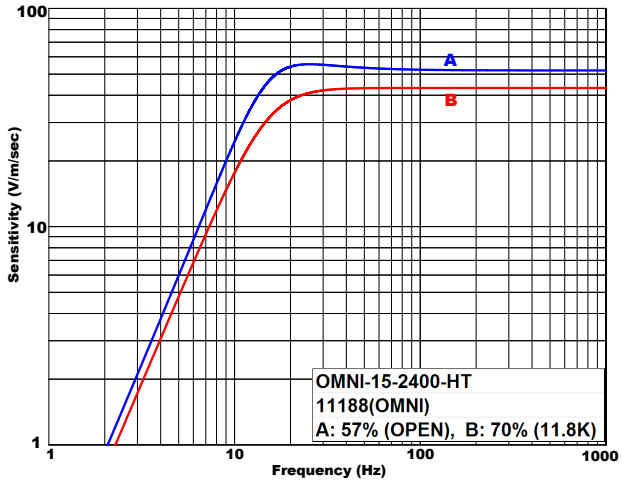
MECHANICAL SPECIFICATIONS

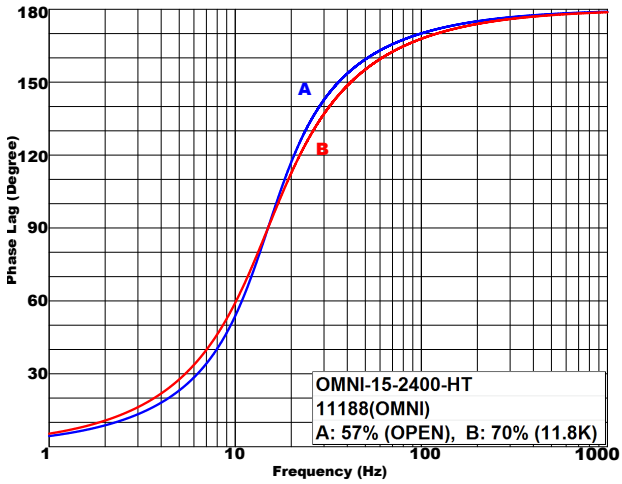
Orientation	0° to 180°
Moving Mass	7.8 g (0.017 oz)
Maximum Coil Excursion p-p	> 0.305 cm (> 0.120 in.)
Diameter	2.22 cm (0.875 in.)
Height	2.63 cm (1.035 in.)
Weight	44 g (1.52 oz)
Operating Temperature	–40° to +200° C (–40 to +392°F)
Storage Temperature	–40° to +100° C (–40 to +212°F)

ELECTRICAL SPECIFICATIONS @25°C

Frequency	15 Hz *
Spurious Frequency	> 365 Hz
Distortion at All Positions	< 0.75%
Coil Resistance	2400 Ω *
Open-Circuit Sensitivity	51.97 V/m/s (1.32 V/i/s)
Sensitivity at 70% Damping	43.19 V/m/s (1.097 V/i/s)
Open-Circuit Damping	0.57%
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.