



HGS (INDIA) LIMITED



HG-25 Miniature Omni-Directional Geophone



Based on the technology transfer for manufacturing the SM® range of geophones from Sensor® Nederland BV, HGS (India) Limited (erstwhile Geosource India Limited) offers the HG-25 miniature omni-directional geophone. The miniature omni-directional geophone has been specially designed for non-gimbled 3C applications, in particular Ocean Bottom Node and Down-hole 4D/4C applications where space and weight is the limiting factor.

Applications: Ocean Bottom Nodes, VSP and other down-hole applications

Features:

- Miniature design, much smaller than a standard geophone
- Omni-directional geophone design gives accurate vector response
- Design adapted from popular omni-directional geophone used extensively in industrial applications

Specifications - HG-25 M OB 14 Hz 500 ohm

Frequency	Value
Natural frequency	14 Hz
Tolerance	± 7%
Maximum tilt angle for specified Fn	360°

Distortion	
Distortion with 17.78 mm/s p.p. coil-to-coil case velocity	< 0.7%
Distortion measurement frequency	14 Hz

Damping	
Open circuit	0.47
Tolerance (O.C)	+10 / -5%
Shunt for 0.7 damping	1200 Ω

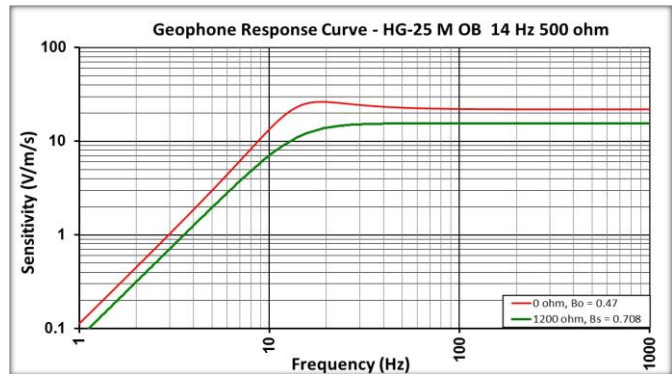
Coil Resistance	
Standard	500 Ω
Tolerance	± 5%

Sensitivity	
Sensitivity (O.C)	22 V/m/s
Tolerance (Optimum Orientation)	+ 5 / -10%
Moving mass	7.0 g
Maximum coil excursion p.p .	0.5 mm

Physical Characteristics	
Diameter	22.2 +0/-0.1 mm
Height	27.9 ± 0.2 mm
Weight	48 g
Operating temperature range	- 40°C to + 100°C

Warranty Period* 1 year

*Warranty excludes damage caused by high voltage and physical damage to the element case.
All parameters are specified at +20°C.



Ordering information

Description	Part No.	Direction
HG-25 M OB 14 Hz 500 ohm	SG000561	Omni

Version 1.0

India
HGS (India) Ltd
Tel : +91-11-46066604
Website : www.hgsindia.com

The Netherlands
HGS Products B.V.
Tel : +31 708200820
Website : www.hgsproducts.nl