



**Applications**

- Seismology
- Earthquake monitoring
- Passive seismic monitoring
- Deep level exploration
- Geotechnical monitoring

**Features**

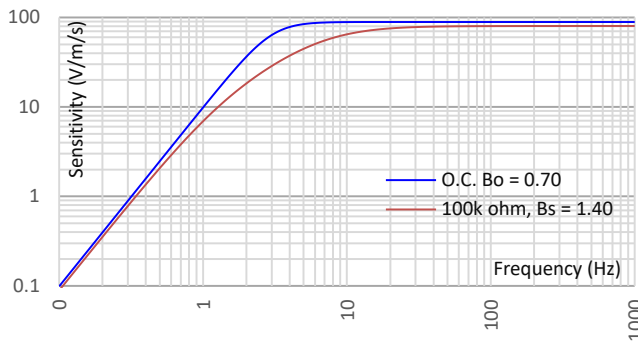
- Rugged design with rotating-coil contacts
- Very low frequency
- Small form factor compared to seismometer
- High sensitivity

**Specifications**

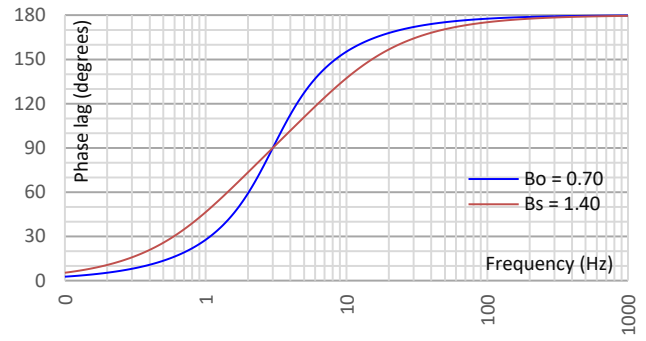
Frequency [Hz]	3 ±20%	Maximum tilt angle [°]	0
O.C. Damping	0.700 ±20%		
O.C. Sensitivity [V/m/s]	89 ±20%		
Resistance [Ω]	10800 ±10%	Dimensions [mm]	∅26.7 x 44
Moving mass [g]	2.7	Weight [g]	105
Max coil excursion p.p. [mm]	3	Operating temperature [°C]	-40 to 70
Requird system input impedance	100k	Warranty <sup>1</sup>	1 year
Distortion with 17.78 mm/s p.p. coil-to-case velocity at 12 Hz			≤ 0.9%

All parameters are specified at +20°C in the working position unless stated otherwise  
<sup>1</sup> Warranty excludes damage caused by high voltage and physical damage to the element case

**Response**



**Phase**

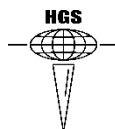


**Ordering information**

Part	Description	Working position	Polarity
SG000538	HG-5 LF U 3 Hz 10800 ohm	Vertical (pins up)	Tap on the pins gives positive signal
SG000540	HG-5 LF H 3 Hz 10800 ohm	Horizontal	Tap on the bottom gives positive signal

**Contact**

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