



Applications

- Fast sample rate systems
- High resolution surveys
- Seismic measurement
- Downhole applications
- Refraction seismic

Features

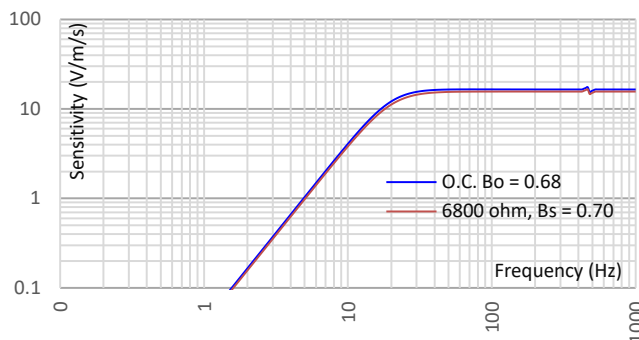
- Rugged design with rotating-coil contacts
- High spurious frequency
- Large bandwidth
- High tilt tolerance
- Up to 1ms data sampling

Specifications

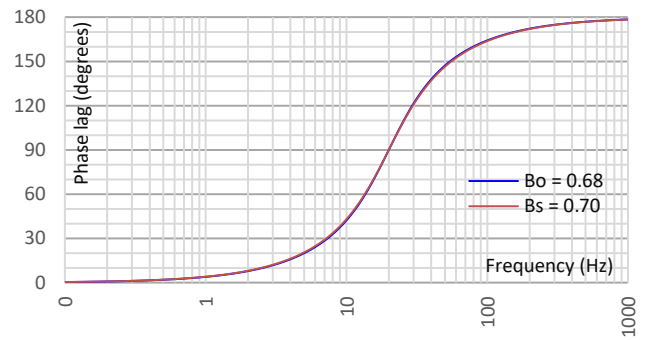
Frequency [Hz]	20 ±5%	Typical spurious frequency [Hz]	> 450
O.C. Damping	0.680 ±5%	Maximum tilt angle frequency vert. / horz. [°]	25 / 0
O.C. Sensitivity [V/m/s]	16.5 ±5%	Maximum tilt angle distortion vert. / horz. [°]	20 / 0
Resistance [Ω]	375 ±5%	Dimensions [mm]	∅25.4 x 32
Moving mass [g]	7.8	Weight [g]	74
Max coil excursion p.p. [mm]	2	Operating temperature [°C]	-40 to 100
Shunt for 0.7 damping [Ω]	6800	Warranty ¹	2 years
Distortion with 17.78 mm/s p.p. coil-to-case velocity at 20 Hz			≤ 0.2%

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

Response



Phase

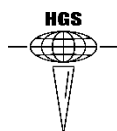


Ordering information

Part	Description	Working position	Polarity
SG000167	HG-7 U 20 Hz 375 ohm	Vertical (pins up)	Tap on the pins gives positive signal
SG000168	HG-7 H 20 Hz 375 ohm	Horizontal	Tap on the bottom gives positive signal
SG000181	HG-7 S 20 Hz 375 ohm	Standard vertical (pins down)	Tap on the bottom gives positive signal

Contact

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