

# SM-5 5Hz Horizontal High Sensitivity Geophone

## LOW FREQUENCY, CLOSE TOLERANCE GEOPHONE ELEMENT

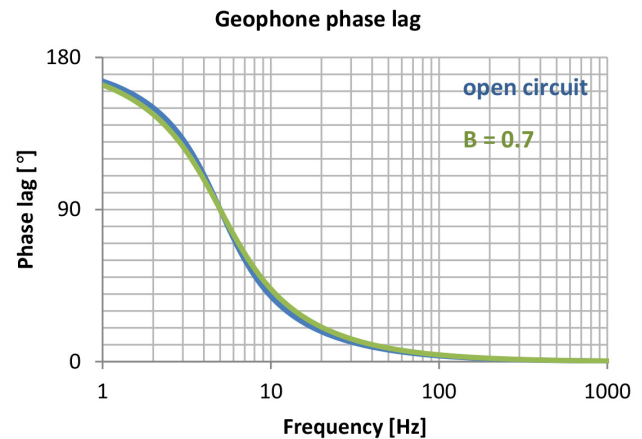
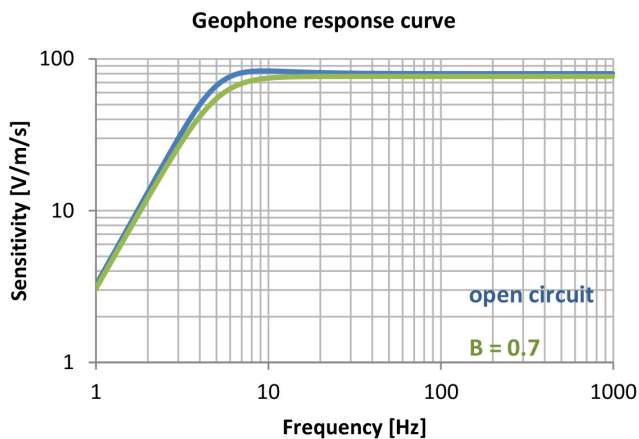


### Specifications for: SM-5 HB 5 Hz 1850 ohm

Work Direction	Horizontal
Resistance	
Coil resistance	1850 $\Omega$
Tolerance	$\pm 5 \%$
Frequency	
Natural frequency (fn)	5 Hz
Tolerance	$\pm 7.5 \%$
Typical spurious frequency	> 150 Hz
Damping	
Open-circuit damping	0.6
Tolerance	$\pm 7.5 \%$
Sensitivity	
Open-circuit sensitivity	80V/m/s (2.03 V/in/s)
Tolerance	$\pm 5 \%$

### Specifications for: SM-5 HB 5 Hz 1850 ohm

Distortion	
Distortion with 0.7 V/in/s p.p. coil-to-case velocity	0.1 % max
Distortion measurement frequency	12 Hz
Distortion up to 3 ° tilt	0.15 % max
RtBcFn	22436 Ω Hz
Moving mass	22.7 g (0.8 oz)
Maximum coil excursion p.p.	3 mm (0.12 in)
Physical Characteristics	
Diameter	30.5 mm (1.2 in)
Height	41.5 mm (1.63 in)
Weight	140 g (4.94 oz)
Operating temperature	-40 to 100 °C (-40 to 212 °F)
Special Notes	All parameters are specified at 22 °C (71.6 °F) in Horizontal position, unless otherwise specified.
Part Number	1005020



#### About ION

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