

SM-5 5Hz Vertical High Sensitivity Geophone

LOW FREQUENCY, CLOSE TOLERANCE GEOPHONE ELEMENT

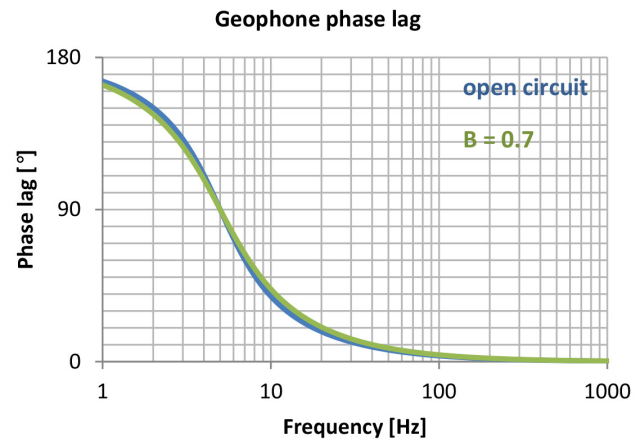
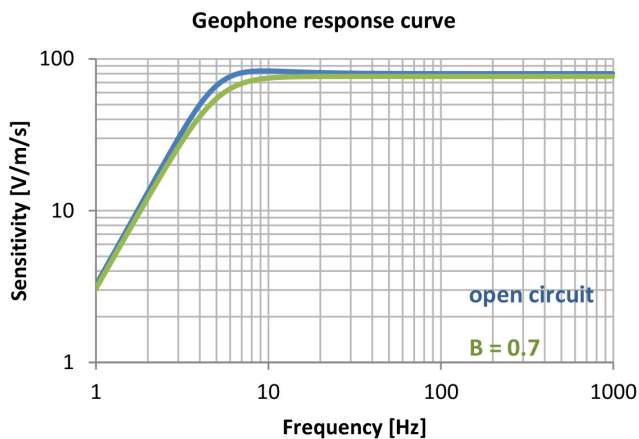


Specifications for: SM-5 UB 5 Hz 1850 ohm

Work Direction	Upright
Resistance	
Coil resistance	1850 Ω
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 UB 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
Maximum tilt angle for specified distortion	10°
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 Upright (pins up) position, unless otherwise specified.
Part Number	1005010



About ION

ION has been a technology leader for 50 years with a strong history of innovation. Leveraging innovative technologies, ION creates value through data capture, analysis and optimization to enhance companies' critical decision-making abilities and returns. Our offerings are focused on improving E&P decision-making, enhancing reservoir management and optimizing offshore operations.