



Characteristics of IMS 14 Hz geophones

Sensor

Low frequency -3dB point8.8 Hz
Natural frequency 14 Hz ± 1 Hz
Distortion with 18 mm/s p.p. coil to case velocity< 0.7%
Distortion measurement frequency14 Hz
Open circuit damping0.185 + 10 % - 5 %
Standard coil resistance
Open circuit sensitivity 80.0 V/m/s + 5 % - 10 %
Damped (0.5) sensitivity 56.1 V/m/s + 5 % - 10 %
Moving Mass10.2 g
Maximum coil excursion (peak to peak) 0.5 mm

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Physical (for sonde)

Diameter ²	51 mm
Length	300 mm
Mass	1.3 kg

Installation

Working position	omni-directional
Recommended hole diameter	
Pressure tested water depth ³	400 m

NOTES

¹ 0.5 damping with capacitive enhancement

- ² Without springs
- ³ High pressure rated sensors (up to 2000 m depth) available on request

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