

RGI-HP104

RGI-HP104 Geophone Element (full compatibility with SM4/SN4)

Seeking Perfection Manufacturing Excellence

Features

- Precision engineered & machined
- Ultimate reliability & prolonged field life
- Applicable for 2-D and 3-D seismic exploration.
- 3-year non pro-rated warranty
- Lowest maintenance expenditure in the industry



The RGI-HP104 is an equivalent to SM4& SN4. This digital-grade geophone element is designed for low weight, extensive field life and ultimate reliability in performance.

With precision engineered components and computerized testing equipment, Racotech ensures the best quality in our products and extensive field life to best serve your exploration purposes.

Implementation: Implementation: suitable for land and TZ with RACOTECH land & marsh geophone cases.

RACOTECH
GEOPHYSICAL INSTRUMENTS

Corporate Headquarters

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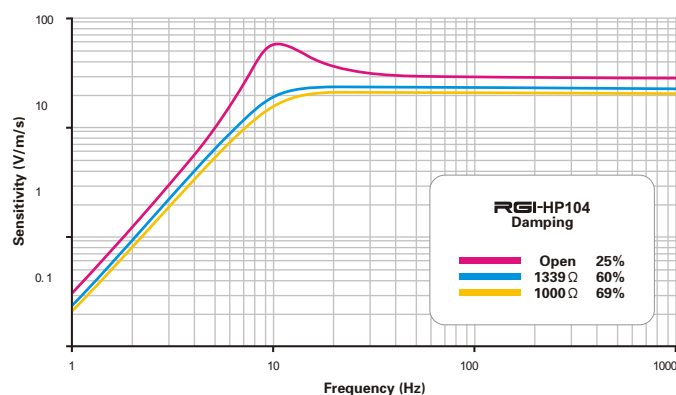
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Specifications (all parameters are specified at +20°C)	
Frequency	
Natural frequency	10Hz \pm 5%
Max. tilt angle for specified fn	200
Typical spurious frequency	>220 Hz
Distortion	
Distortion with 0.7 in/s p-p coil to case velocity	<0.20%
Distortion measurement frequency	12Hz
Max. tilt angle for distortion specification	200
Damping	
Typical open circuit damping	0.25
Damping with calibration shunt 1,339 ohm	0.60 \pm 5%
Damping with calibration shunt 1,000 ohm	0.69 \pm 5%
Coil Resistance	
Standard	375 ohm \pm 5%
Sensitivity	
Sensitivity without shunt resistor	28.8 V/m/s
Sensitivity with shunt 1,339 ohm	22.5 V/m/s \pm 5%
Sensitivity with shunt 1,000 ohm	20.95 V/m/s \pm 5%
Physical Characteristics	
Moving mass	11g (0.38 oz)
Maximum coil excursion p-p	2 mm (0.08 in)
Diameter	25.4 mm (1 in)
Height	32.0 mm (1.26 in)
Weight	85g (3.0 oz)
Operating temperature range	-40°C to +80°C

* Warranty excludes damage caused by high voltage and physical damage to the element case.

Frequency Response Curve



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