

# RGI-4.5Hz Geophone

RGI-4.5Hz Low Frequency Geophone Element

Seeking Perfection Manufacturing Excellence



## Features

- High quality, reliable geophone
- Availability of horizontal element for S-wave and 3-C data acquisition
- 3-year non pro-rated warranty
- Lowest maintenance expenditure in the industry

## Specifications (all parameters are specified at +22°C)

Frequency	
Natural frequency	4.5 Hz $\pm$ 0.5 Hz
Max. tilt angle for specified fn	100
Typical spurious frequency	>160 Hz
Distortion	
Distortion	$\leq$ 0.3%
Distortion measurement frequency	12 Hz
Tilt angle for distortion specification	Vertical
Damping	
Damping	0.70 $\pm$ 10%
Coil Resistance	
Standard	395 ohm $\pm$ 5%
Sensitivity	
Sensitivity without shunt resistor	23.4 V/m/s $\pm$ 10%
Physical Characteristics	
Moving mass	11g
Maximum coil excursion p-p	1.5mm
Diameter	25.4mm
Height	33.0mm
Weight	87g
Operating temperature range	-40°C to +80°C

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

The RGI-4.5Hz Low Frequency geophone is a well-developed product manufactured under strict quality control and specially designed to realize reliable and stable performance for extensive field applications.

The RGI-4.5Hz Low Frequency geophone is perfectly suitable for geophysical and geological exploration, engineering, coal mine industry, national defense, security monitoring and scientific research.

Implementation: Suitable for land and TZ, 3C data acquisition with multiple RACOTECH geophone cases

**RACOTECH**  
GEOPHYSICAL INSTRUMENTS

## Corporate Headquarters

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• GEOPHONE • CABLE • CONNECTOR

**RGI**™