



## Geophone Element

High quality, reliable and cost effective

3 years limited warranty

2-D and 3-D seismic application

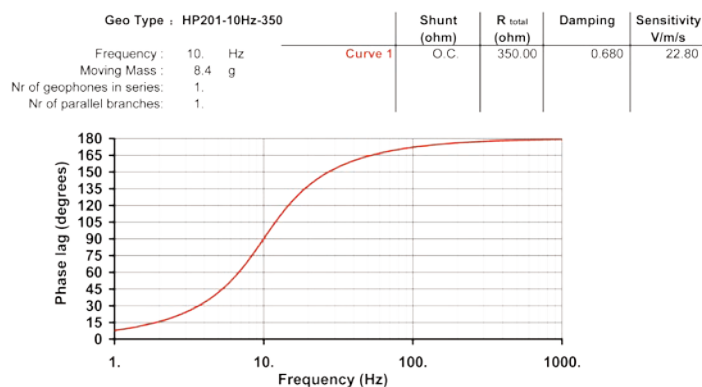
Suitable for land, transition zone, marsh and shallow water environments with different cases

## Specifications (all parameters are specified at + 20° C)

|                          |   |                  |
|--------------------------|---|------------------|
| Frequency                | Natural Frequency (Fn)                              | 10 Hz            |
|                          | Tolerance   | ± 2.5%           |
|                          | Max. Tilt Angle for Specified (Fn)                  | 15°              |
|                          | Typical Spurious Frequency                          | >240 Hz          |
| Distortion               | Distortion with 0.7 in/s p.p. Coil to Case Velocity | <0.075%          |
|                          | Distortion Measurement Frequency                    | 12 Hz            |
|                          | Max. Tilt Angle for Distortion Specification        | 15°              |
| Damping                  | Typical Open Circuit Damping                        | 0.68             |
|                          | Tolerance   | ± 5%             |
| Coil Resistance          | Standard  | 350 ohm          |
|                          | Tolerance   | ± 3.5%           |
| Sensitivity              | Sensitivity   | 22.8 V/m/s       |
|                          | Tolerance   | ± 2.5%           |
| Physical Characteristics | Moving Mass   | 8.4 g            |
|                          | Maximum Coil Excursion p.p.                         | 1.78 mm          |
|                          | Diameter  | 27.4 mm          |
|                          | Height  | 30.15 mm         |
|                          | Weight  | 78 g             |
|                          | Operating Temperature Range                         | -40° C to +90° C |

Warranty excludes damage caused by high voltage and physical damage to the element case.  
SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

Geophone Phase Lag (signal relative to case velocity)



Geophone Response Curve

