



### High Precision, Low Distortion Geophone Element

- Low distortion and close tolerance geophone
- 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

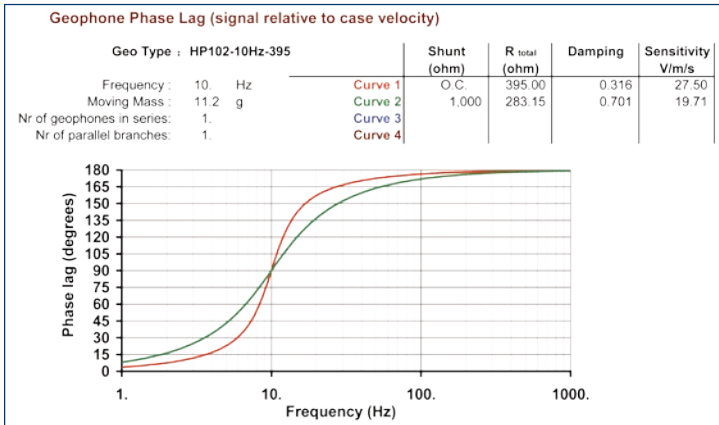
#### Specifications (all parameters are specified at + 25° C)

Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 2.5%
	Max. Tilt Angle for Specified (Fn)	20°
	Typical Spurious Frequency	>250 Hz
Distortion	Distortion with 0.7 in/s p.p. Coil to Case Velocity	<0.10%
	Distortion Measurement Frequency	12 Hz
	Max. Tilt Angle for Distortion Specification	10°
	Typical Distortion (string of 12 geophones in series damped 0.70, measured at 12 Hz)	≤0.03%
Damping	Typical Open Circuit Damping	0.316
	Damping Calibration-Shunt Resistance	1,000 ohm
	Damping with Calibration-Shunt	0.7
	Tolerance with Calibration-Shunt	± 2.5%
Coil Resistance	Standard	395 ohm
	Tolerance	± 2.5%
Sensitivity	Sensitivity without Shunt Resistor	27.5 V/m/s (0.698 V/in/s)
	Sensitivity with 1000 ohm Shunt Resistor	19.7 V/m/s (0.500 V/in/s)
	Tolerance	± 2.5%
Physical Characteristics	Moving Mass	11.2 g (0.395 oz)
	Maximum Coil Excursion p.p.	1.52 mm (0.060 in)
	Diameter	25.4 mm (1 in)
	Height	33.0 mm (1.30 in)
	Weight	86 g (3.03 oz)
	Operating Temperature Range	-40° C to +100° 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

