



**DT-HP104**  
**P/N: 810099-001**

**Geophone element**

High quality and reliable in low cost  
 3 years limited warranty  
 Application in 2-D & 3-d seismic exploration  
 Suitable for land, transition zone, marsh  
 shallow water with different cases

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

<b>Frequency</b>	Natural frequency (fn)	10 Hz
	Tolerance	± 5%
	Max. tilt angle for specified fn	20°
	Typical spurious frequency	≥ 180Hz
<b>Distortion</b>	Distortion with 0.7 in/s p.p. coil to case velocity	≤ 0.20%
	Distortion measurement frequency	12 Hz
	Max. tilt angle for distortion specification	20°
<b>Damping</b>	Typical open – circuit damping	0.25
	Damping with calibration–shunt 1,339 ohm	0.60
	Damping with calibration–shunt 1,000 ohm	0.69
	Tolerance with calibration – shunt	± 5%
<b>Coil Resistance</b>	Standard	375 ohm
	Tolerance	± 5%
<b>Sensitivity</b>	Sensitivity	28.8 V/m/s (0.73 V/in/s)
	Sensitivity with shunt 1,339 ohm	22.5V/m/s
	Sensitivity with shunt 1,000 ohm	20.95V/m/s
	Tolerance	± 5%
	Moving mass	11 g (0.38 oz)
	Maximum coil excursion p.p.	2 mm (0.08 in)
<b>Physical Characteristics</b>	Diameter	25.4 mm (1 in)
	Height	32.0 mm (1.26 in)
	Weight	85 g (3.0oz)
	Operating temperature range	-40°C to +100°C
<b>Limited Warranty Period</b>		3 years

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

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.