

# DT-SOLO 10Hz (HP301V) (P/N:611600100)



## 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

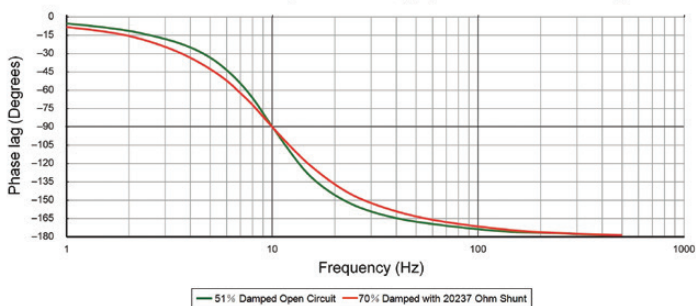
## Specifications

(All parameters are specified at +25° C in the vertical position unless otherwise stated.)

Frequency	Natural Frequency (Fn)	10 Hz
	Tolerance	± 3.5%
	Spurious	> 240 Hz
Distortion	Distortion	< 0.1%
	Max. Tilt Angle for Distortion Specification	10°
	Distortion from Vertical to 20° Tilt	< 0.15% measured at 12 Hz with 0.7 in/s p-p
Damping	Open Circuit Damping	0.48 - 0.54
	Damping	0.7 TYP. with 20 KΩ
Coil Resistance	Standard	1800 ohm
	Tolerance	± 3.5%
Sensitivity	Open Circuit Intrinsic Voltage Sensitivity	85.8 V/m/s (2.18 V/in/s)
	Tolerance	± 3.5%
Physical Characteristics	Moving Mass	14 g (0.49 oz)
	Max. Coil Excursion p.p.	3.50 mm (0.138 in)
	Diameter	30.2 mm (1.19 in)
	Height	39.9 mm (1.57 in)
	Weight	130 g (4.6 oz)
	Operating Temperature Range	- 40° C ~ + 90° C

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

HP301V-10Hz-1800 Geophone Phase Lag (signal relative to case velocity)



HP301V-10Hz-1800 Geophone Response Curve

