



Data Sheet of 1Hz Geophone Sensor

Type	1Hz Vertical Geophone(P/N: ST-1A V)	1Hz Horizontal Geophone(P/N: ST-1A H)
Natural frequency (Hz)	0.75±0.1	0.75±0.25
Damping	0.5±15%	0.5±20%
Sensitivity (V/m/s)	650±15%	650±20%
DC Resistance (Ω)	33000 ±10%	33000 ±10%
Distortion (%)	≤ 0.9	≤ 0.9
Moving Mass (g)	770	770
Max. coil excursion p-p (mm)	6.0	6.0
Element Diameter (mm)	65.0	65.0
Element Height (mm)	107.0	107.0
Element Weight (g)	1400.0	1400.0
Operating Temperature($^{\circ}\text{C}$)	-40 $^{\circ}\text{C}$ to + 90 $^{\circ}\text{C}$	-40 $^{\circ}\text{C}$ to + 90 $^{\circ}\text{C}$
Working Direction	Vertical	Horizontal
<ul style="list-style-type: none">• All parameters specified herein are rated at a temperature 20$^{\circ}\text{C}$±2$^{\circ}\text{C}$.• 1-year limited warranty exclusive of high voltage, lightening or physical abuse.		