

Data Sheet of GS One Equivalent Geophone Sensor

Type	ST-10PA (Equivalent to GS One Vertical Element)
Natural frequency (Hz)	10±3.5%
Open circuit damping	0.48 to 0.54
Damping with 20KΩ shunt resistor	0.7
Sensitivity (V/m/s)	85.8±3.5%
Coil Resistance (ohms)	1800±5%
Harmonic Distortion (%)	<0.10
Typical Spurious Frequency (Hz)	>240
Moving Mass (g)	14.0
Max.coil excursion p-p (mm)	2.54
Max.tilt angle	15°
Element Diameter (mm)	27.0
Element Height (mm)	34.0
Element Weight (g)	104.0
Operating Temperature(°C)	-40°C to + 100°C
• All parameters specified herein are rated at a temperature 20°C±2°C • 1-year limited warranty on basic element exclusive of high voltage, lightening and physical abuse. • Specifications are subject to change without prior notice.	