



## 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
<ul style="list-style-type: none"><li>• All parameters specified herein are rated at a temperature 20°C±2°C</li><li>• 3-year limited warranty on basic element exclusive of high voltage, lightening and physical abuse.</li><li>• Specifications are subject to change without prior notice.</li></ul>	