

Data Sheet of 60Hz Geophone Sensor

Type	ST-20DX, 60Hz
Natural frequency (Hz)	60±5%
Open circuit damping	0.52±5%
Damping with Shunt Resistor	0.60±5%
Calibration Shunt Resistance(ohms)	1500
Open Circuit Intrinsic Voltage Sensitivity(V/m/s)	39.0±5%
Sensitivity with Shunt Resistor(V/m/s)	27.0±5%
Coil Resistance (ohms)	668±5%
Harmonic Distortion (%)	≤0.2
Typical Spurious Frequency (Hz)	≥400
Moving Mass (g)	6.5
Max. coil excursion p-p (mm)	1.5
Max .tilt angle	20°
Element Diameter (mm)	27.0
Element Height (mm)	33.5
Element Weight (g)	95.0
Operating Temperature(°C)	-45°C to + 80°C
• All parameters specified herein are rated at a temperature 20°C±2°C. • 1-year limited warranty exclusive of high voltage, lightening and physical abuse.	