

Data Sheet of 14Hz Geophone(ST-14N)

Type	ST-14N (Equivalent to SM-4,14hz)
Natural frequency (Hz)	14 $\pm$ 5%
Open circuit damping	0.2 $\pm$ 5%
Shunt Resistor(ohms)	640
Damping with Shunt Resistor	0.6 $\pm$ 5%
Open Circuit Intrinsic Voltage Sensitivity(V/m/s)	28.8
Sensitivity with Shunt Resistor(V/m/s)	18.2 $\pm$ 5%
Coil Resistance (ohm)	375 $\pm$ 5%
Harmonic Distortion (%)	<0.2
Typical Spurious Frequency (Hz)	$\geq$ 240
Moving Mass (g)	11.6
Max.coil excursion p-p (mm)	2.0
Max.tilt angle	20°
Element Diameter (mm)	25.4
Element Height (mm)	32
Element Weight (g)	74
Operating Temperature(°C)	- 40°C to + 100°C
Warranty Period	1 year
- All parameters specified herein are rated at a temperature 20°C$\pm$2°C. 1-year limited warranty on basic element exclusive of high voltage, lightening or physical abuse.	