

Data Sheet of Multi Geophone String For Marsh And Transition Zone

Type	ST-4.5N (Equivalent to SM-6 B- Coil 4.5hz)	ST-10PN (Equivalent to SM-24, 10hz, 375ohm)	ST-10N (Equivalent to SM-4, 10hz)	ST-32CT (Equivalent to GS-32CT)	ST-20DX (Equivalent to GS-20DX, 10hz)	ST-14N (Equivalent to SM-4, 14hz)
Natural frequency (Hz)	4.5±10%	10±2.5%	10±5%	10±2.5%	10±5%	14±5%
Open circuit damping	0.6±5%	0.25	0.271	0.316	0.30	0.2
Damping with Shunt Resistor	\	0.6+0%, ~5%	0.60±5%	0.698±2.5%	0.707±5%	0.6±5%
Open Circuit Intrinsic Voltage Sensitivity(v/m/s)	28.8±5%	28.8±2.5%	28.8±5%	27.5±2.5%	28.0±5%	28.8±5%
Sensitivity with Shunt Resistor(v/m/s)	\	22.5±2.5%	22.7±5%	19.7±5%	20.0±5%	18.2±5%
Coil Resistance (ohm)	375±5%	375±2.5%	375±5%	395±5%	395±5%	375±5%
Harmonic Distortion (%)	≤0.2	≤0.1	≤0.2	≤0.1	≤0.2	≤0.2
Typical Spurious Frequency (Hz)	≥240	>240	≥240	≥250	≥200	≥240
Moving Mass (g)	11.3	11.0	11.3	11.2	11.0	11.6
Max.coil excursion p-p (mm)	4.0	2.0	2.0	1.5	1.5	2.0
Max.tilt angle	20°	10°	20°	10°	20°	20°
Element Diameter (mm)	25.4	25.4	25.4	25.4	25.4	25.4
Element Height (mm)	36.0	32.0	32.0	33.3	33.5	32
Element Weight (g)	86.0	87.0	74.0	89.0	87.0	74
Operating Temperature (°C)	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°C	-40°C to + 100°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.

Geophone String for Land

Type	Geophone String for Land
Geophone Direction	Vertical Direction
Geophone Connection	Series 12X1,6X1,3X1 optional Parallel 6X2,4X3,3X2 optional
Geophone Type	GS-20DX Equivalent GS-32CT Equivalent SM-4 Equivalent SM-6 Equivalent SM-24 Equivalent SG-10 Equivalent 4.5Hz,10Hz,28Hz,40Hz optional
Geophone Case	Waterproof Land Case
Spike	Steel Spike length 75mm
Cable	Custom Outer Diameter / Lead Distance/ Interval
Connector Type	*Split Spring Clips *KCK Connector(Male or Female or Dual / Push Fit or Lock Ring Type) *5515 Connector (Male or Female or Dual /Push Fit or Screw Fit) *Kooter Connector(Male or Female or Dual /KCL male or KCL female or KC2L-4 Dual) *Other Connector Type available

Geophone String for Marsh and Transition Zone

Type	Geophone String for Marsh and Transition Zone
Geophone Direction	Vertical Direction
Geophone Connection	Series 12X1,6X1,3X1 optional Parallel 6X2,4X3,3X2 optional
Geophone Type	GS-20DX Equivalent GS-32CT Equivalent SM-4 Equivalent SM-24 Equivalent SG-10 Equivalent optional
Geophone Case	Waterproof heavy duty Case for Marsh and Transition Zone
Spike	Brass Spike length 75mm
Cable	Waterproof Cable Custom Outer Diameter / Lead Distance/ Interval / Drop Cable
Connector Type	*KCK Connector(Male or Female or Dual / Lock Ring Type) *5515 Connector (Male or Female or Dual / Screw Fit) *Kooter Connector(Male or Female or Dual /KCL male or KCL female or KC2L-4 Dual) *Other Connector Type available