GV45GS

Geophones

Geospace vertical geophone 4.5 Hz

Vertical geophone 4,5 Hz with 1 m lead cable, land case, spike, Mueller clips connector

Methodologies
M.A.S.W.
Re.Mi / ESAC

General specifications	
Manufacturer	Geospace
Typology	Vertical
Case	Land case
Connector	Mueller clips
Spike height	7 cm
Cable lenght	1 mt

Physical specifications	
Moving mass	25.2 g
Maximum coil excursion	3.05 mm
Diameter	30.5 mm

General specifications	
Height	40.6 mm
Weight	131 g
Operative temperature range	–40°C a +80°C
Frequency	
Natural Frequency (fn)	4.5 Hz
Tilt angle when coil hit end stop	24° from vertical
Typical Spurious frequency	120 Hz Typical
Sensitivity	
Sensitivity: with 20 kΩ load	2.27 V/in/s (89.4 V/m/s)
Coil Resistance	
Standard	2450 Ω
Tolerance	+/- 5%
Damping	
Damping: with 20 kΩ load	0.735 Typical
Tolerance	+/- 5%
Distortion	
Distortion eith 0.7 in/s p.p. coil to case velocity	0.25% typical measured at 12 Hz

GV10GS

Geophones **Sensors**

Vertical geophone 10 Hz

Vertical geophone 10 Hz with 1 m lead cable, land case, spike, Mueller clips connector

Methodologies
Refraction Seismic

General specifications	
Manufacturer	Geospace
Typology	Vertical
Case	Land case
Connector	Mueller clips
Spike height	7 cm
Cable lenght	1 mt

Physical specifications	
Moving mass	11.0 g
Maximum coil excursion	1.5 mm
Diameter	25.4 mm
Height	3.3 cm
Weight	87.3 g
Operative temperature range	–45° to +100°C

General specifications

Frequency	
Natural Frequency (fn)	10 Hz
Tolerance	±0.75 Hz
Tilt Angle when coil hits end stop	37°
Typical Spurious frequency	>250 Hz
Sensitivity	
Sensitivity	28.8 V/m/s
Coil Resistance	
Standard	395 Ω
Damping	
Open circuit damping	30%
Distortion	
Distortion eith 0.7 in/s p.p. coil to case velocity	<0.20%

GV14GS

Geophones **Sensors**

Vertical geophone 14 Hz

Vertical geophone 14 Hz with 1 m lead cable, land case, spike, Mueller clips connector

Methodologies
Refraction Seismic

General specifications	
Manufacturer	Geospace
Typology	Vertical
Case	Land case
Connector	Mueller clips
Spike height	7 cm
Cable lenght	1 mt

Physical specifications	
Moving mass	11 g
Maximum coil excursion	1.5 mm
Diameter	25.4 mm
Height	3.3 cm
Weight	81 g
Operative temperature range	–45° to +100°C

MAE

General specifications

Frequency	
Natural Frequency (fn)	14 Hz
Tolerance	+/- 0.75 Hz
Max. tilt angle	37°
Typical Spurious frequency	>140 Hz
Sensitivity	
Sensitivity at 70% Damping	19.8 V/m/s
Coil Resistance	
Standard	395 Ω
Damping	
Open Circuit damping	19.8 V/m/s
Distortion	
Distortion	<0.20%