



GH45ZF

Geophones

Horizontal geophone 4.5 Hz

Horizontal 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	ZF-GEO
Typology	Horizontal
Case	Land case
Connector	Mueller clips
Spike height	7 cm
Cable lenght	1 mt

Physical specifications

Moving mass	11.1 g
Maximum coil excursion	4.0 mm

General specifications

Diameter	25.4 mm
Height	36
Weight	81 g
Operative temperature range	-40°C to +100°C

Frequency

Natural Frequency (fn)	4.5 Hz
Tolerance	+/- 0.5 Hz
Max. tilt angle for specified fn	0°
Typical Spurious frequency	>140 Hz

Sensitivity

Sensitivity	28.8 V/m/s
Tolerance	+/- 5%
RtBcFn (Ohm Hz)	6000

Coil Resistance

Standard	375 ohm
Tolerance	+/- 5%

Damping

Open circuit damping	0.56
Tolerance	+/- 5%

Distortion

General specifications

Distortion eith 0.7 in/s p.p. coil to case velocity	<0.3%
Distortion measurement frequency	12 Hz
Max. tilt angle for distortion specification	0°



GH10ZF

Geophones

Horizontal 10 Hz geophone

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

Methodologies

Refraction Seismic

General specifications

Manufacturer	ZF-GEO
Typology	Horizontal
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

General specifications

Height	33.3 mm
Weight	86 g
Operative temperature range	-40°C to +100°C

Frequency

Natural Frequency (fn)	10 Hz
Tolerance	+/- 5%
Max. tilt angle for specified fn	20°
Typical Spurious frequency	>240 Hz

Sensitivity

Sensitivity	28 V/m/s
Tolerance	+/- 5%
Sensitivity with 1000 Ohm shunt resistor	20.0 V/m/s

Coil Resistance

Standard	395 ohm
Tolerance	+/- 5%
Resistance with 1000 Ohm shunt resistor	283 ohm

Damping

Open circuit damping	0.3
Tolerance	+/- 5%
Damping with 1000 Ohm shunt resistor	0.7

General specifications

Distortion

Distortion eith 0.7 in/s p.p. coil to case velocity	<0.3%
Distortion measurement frequency	12 Hz