

# TRIAXIAL DOWN-HOLE GEOPHONE

Triaxial DOWN-HOLE Geophone for borehole surveys for soil study, simple in use but highly accurate and reliable.

The new triaxial borehole geophone is robust, strong and easy to use, designed for seismic applications such as down-hole surveys. Equipped with a quick clamping system with oriented aluminium poles, it allows a double adjustment configuration for differential run time processing. It also guarantees high accuracy and compliance with the international ASTM D7400 standard. Suitable for Geode acquisition unit.

## APPLICATIONS

- Down-hole
- Seismic ground characterization



# TRIAXIAL DOWN-HOLE GEOPHONE

## SYSTEM CHARACTERISTICS

Diameter	60 mm
Length	315 mm
Weight	1,8 kg
Waterproof	120 m
Max air pressure	12 bar
Air pipe connection	6 mm
Max piston range	21.5 mm
Connection	Souriau TP series 10 poles

## MECHANICAL CHARACTERISTICS

Case	Aluminum
Oriented poles	Aluminum
Poles length	1 to 2m
Resistance	3500 Ω
Operating temperature range	-30 to +100°C

## ELECTRONIC CHARACTERISTICS

Geophone	SM6 - 14Hz
Damping	0.7
Sensitivity	80V/m/s +5/-10%

**Contact now your  
dedicated consultant:**

**[commerciale@solgeo.it](mailto:commerciale@solgeo.it)  
+39 035 4523705**



The triaxial borehole geophone allows connection for a dual geophone system.



DOWN-HOLE triaxial geophone for borehole soil investigation, simple in use but highly accurate and reliable.



# TRIAXIAL DOWN-HOLE GEOPHONE

## VERTICAL GEOPHONE

Diameter	60 mm
Length	315 mm
Weight	2 kg
Waterproof	120 m
Max air pressure	12 bar
Air pipe connection	6 mm
Max piston range	21,5 mm
Connector	Souriau
Case	Aluminium

## ELECTRONIC CHARACTERISTICS

Geophone	SM-6
Number of axis	1 (vertical)
Natural frequency	14Hz ±7%
Damping	0.7
Open circuit sensitivity	800V/m/s +5/-10%
Operating temperature range	0 to +70°C
Power supply	±5 to ±15Vdc
Power consumption	<10mA
Damping	0.7
Umidity	0-100% non-condensed

## HYDROPHONE

Diameter	45 mm
Length	260 mm
Weight	1,3 Kg
Waterproof	300 m
Connector	Souriau TP series 10 poles
Case	Stainless steel, Aluminium, PVC

## ELECTRONIC CHARACTERISTICS

Hydrophone	Piezoelectric element
Bandwidth	30Hz to 15KHz
Operating temperature range	0 to +70°C
Power supply	±5 to ±15Vdc
Power consumption	<10mA