

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

60 mm Diameter Lenght 315 mm Weight 1,8 kg Waterproof 120 m 12 bar Max air pressure Air pipe connection 6 mm Max poiston range 21.5 mm

Connection Souriau TP series 10 poles

MECHANICAL CHARACTERISTICS

Case Aluminum Aluminum Oriented poles Poles lenght 1 to 2m

Resistence 3500 Ω Operating temperature range -30 to +100°C

ELECTRONIC CHARACTERISTICS

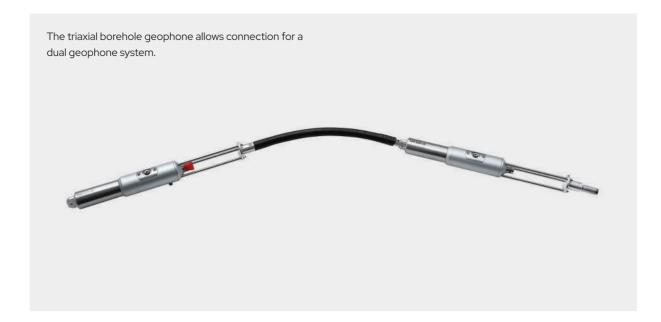
Geophone SM6 - 14Hz

Damping

Sensitivity 80V/m/s +5/-10%

Contact now your dedicated consultant:

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VERTICAL GEOPHONE

Diameter 60 mm Length 315 mm 2 kg Weight Waterproof 120 m 12 bar Max air pressure Air pipe connection 6 mm 21.5 mm Max piston range Connector Souriau Case Aluminium

ELECTRONIC CHARACTERISTICS

SM-6 Geophone Number of axis 1 (vertical) Natural frequency 14Hz ±7% 0.7

Damping

800V/m/s +5/-10% Open circuit sensitivity

0 to +70°C Operating temperature range Power supply ±5 to ±15Vdc

<10mA Power consumption

0.7 Damping

Umidity 0-100% non-condensed

HYDROPHONE

45 mm Diameter 260 mm Lenght 1,3 Kg Weight 300 m Waterproof

Connector Souriau TP series 10 poles Stainless steel, Aluminium, PVC

ELECTRONIC CHARACTERISTICS

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

Power consumption <10mA

