



tomography



crosshole



downhole



surface seismic



geotomographie

manufacturer of seismic borehole equipment



BGK5 | Borehole Geophone

The borehole geophone BGK5 is used to receive P- and S-waves in dry or water filled boreholes. The borehole geophone BGK5 consists of four horizontal sensors, separated by 45° intervals, and one vertical sensor. The geophone is coupled to the borehole wall by a pneumatic clamping system (inflatable bladder). Air is supplied to the BGK5 through an electro-pneumatic hybrid cable with a Kevlar tension string. The cable is terminated by a connector to the seismograph.



Borehole geophone BGK5 with cable drum and pneumatic clamping mechanism using an inflatable bladder.

Technical Details

Natural sensor frequency: 10 Hz
(others on request)

Sensor arrangement: 4 horizontal
(45°)/1 vertical

Operational depth: Up to 100 m

Receiver length: 600 mm

Receiver weight: 2.8 kg

Cable weight per metre: 145 g

Cable strength: 2150 N

Borehole diameter: 75 mm

(or larger if spacers are used)

Clamping system: Inflatable bladder

Depth indicator: Cable marking every 2 m

Connector: To any seismograph

Storage: On drum

Data Example

