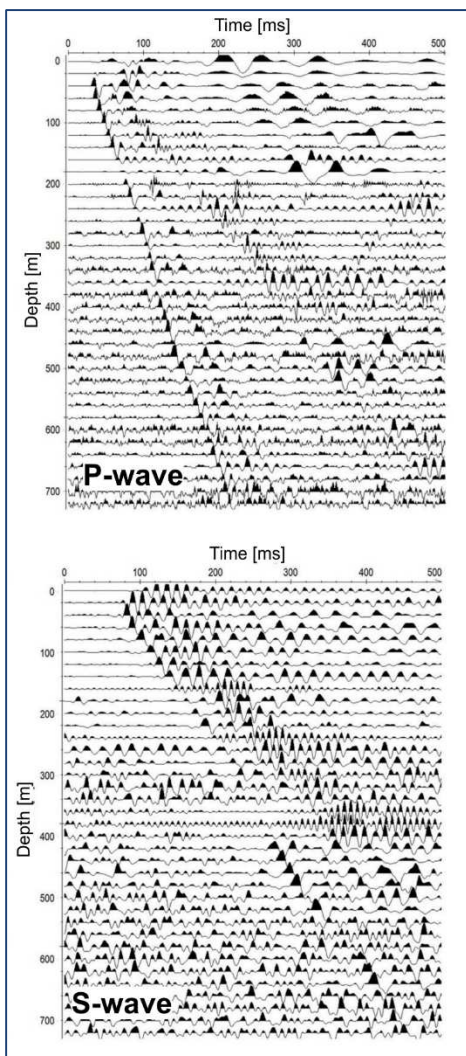




BKG-1000 – Digital Borehole Geophone Vertical Seismic Profiling System

The **BKG-1000** is a 3 channel digital VSP system designed, developed and manufactured by the German company **Geotomographie GmbH**. The system consists of the downhole probe and a surface communication unit. The BKG-1000 is designed to run on a 4-conductor cable and GO cable head. As a dealer of the Geotomographie GmbH, BFGeosupply can offer this system for purchase and for services.



Communication to the downhole VSP tool is established by the surface unit. The surface unit can be connected to the USB port of a laptop. The optimal transmission rate can be automatically evaluated. An auxiliary channel can be connected to the surface unit to record an external seismic signal, i.e. a pilot vibrator sweep. Triggering is made via the surface unit allowing TTL pulses or geophone triggering.

The acquisition software can be used to display the data, to stack and to correlate the seismic signals. Seismic data are stored in SEG2 format and can be further processed by any seismic software.

BKG-1000 Downhole Tool – Technical Data:

Length:	0.9 m (35,5 inch)
Diameter:	60 mm (2.4 inch)
Weight:	9 kg (20 lbs)
Max. Pressure:	10 MPa (100 bar; 1450 psi)
Max. Temperature:	70°C (160°F)
Clamping Arm	Up to Ø 200 mm (8 inch)
Seismic Channels:	3 Geophones
Sample Rate:	48 kS/s
Max. Trace Length	21 s
Oversampling:	250, 500, 1000, 2000, 4000, 8000, 16000
Magnetic Compass:	XY – 360°



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