

BGK1000

Digital 3C/4C Geophone System for borehole seismic surveys

Delivers outstanding precision and efficiency in broad range of usage scenarios

- **3 component borehole seismic surveys** up to 2000 m with any seismic source
- **Check shots** to determine interval velocities to geologic marker horizons
- **Zero-offset and offset VSP** to provide direct correlation between subsurface stratigraphy and seismic reflections measured at the surface
- **Passive seismic monitoring** and reservoir monitoring watching micro-earthquakes induced by stimulation or geothermal activities

Top sub 1" Gearhart-Owen 4-pin cable head

Power electronics and motor

Central power supply
RS-485 communication line drivers
Electric motor and motor electronic

Sonde body mechanics

Stainless steel
Length 85 cm
Diameter 60 mm
Pressure 200 bar
Weight 8.5 kg

3 geophones and electronics

4-channel 24 bit ADC, 48kS/s
DSP Blackfin 548
Compass

Clamping module

Mechanical clamping arm
Motor-controlled strong clamping force

Hydrophone

AQ2000 casted in PU



Trigger unit

4-channel 24 bit ADC, 48 kS/s
DSP recording, stacking, correlation
Connects via 4-conductor logging cable

Vibroseis acquisition software

Controls recording and clamping
Data storage in SEG2
Real time noise monitoring
Fast stacking and correlation
Vibroseis automatic
Runs on Windows PC



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More information

www.hinz-mt.de
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