

geotomographie

manufacturer of seismic borehole equipment



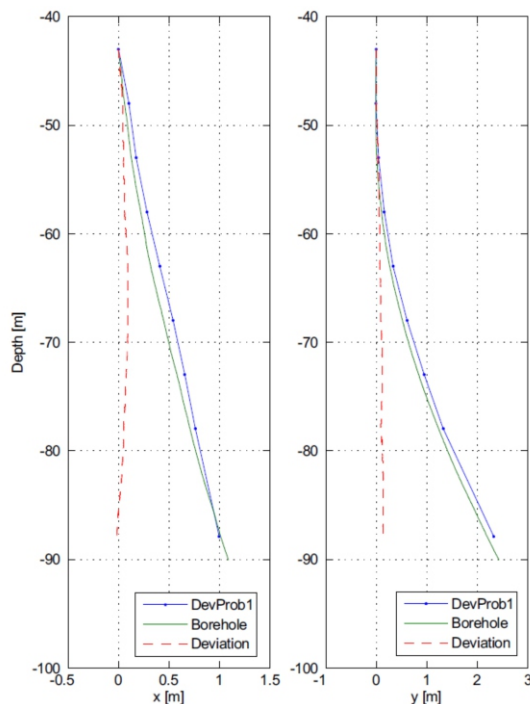
DevProbe1 | Deviation Probe

Drilling direction is needed where precise XYZ location of a downhole tool is required. The DevProbe1 borehole logging tool is designed to provide drilling deviation and inclination for numerous applications like seismic tomography and crosshole testing.



Description

The deviation probe DevProbe1 is used to measure the borehole deviation. A three-axis magnetometer measures the azimuthal direction of the borehole and a dual tilt sensor provides information about the inclination. The probe is sealed and temperature compensated. Borehole deviation is required to determine the precise XYZ location of a seismic source or receiver inside a borehole. A software is provided to visualize and store the deviation data.



The logging unit is sealed and potted and can be used for shallow borehole applications.

Technical Details

Operational depth: Up to 150 m
Probe length: 1235 mm
Probe diameter: 40 mm
Probe weight: 3.45 kg
Cable weight per metre: 62 g
Cable strength: 1700 N
Borehole diameter: 50 mm
Azimuth range: 0-360°
Azimuth resolution: 12 bit (<0.5°)
Tilt range: 0-70° (linear corrected)
Tilt resolution: 12 bit (<0.2°)
Temperature range: -30 to +85°C
Depth indicator: Cable marker every 1 m
Storage: On drum