

Pin-point accuracy underground Gyro trajectory measurements

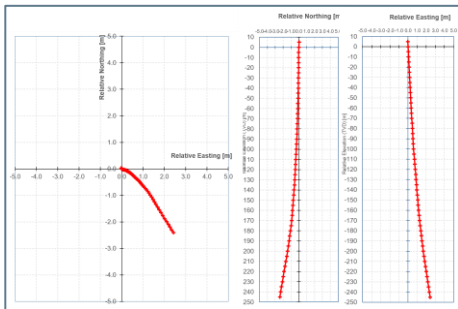
Gyro trajectory measurements

We point the way for every borehole in every direction with pin-point accuracy. Shortest downtimes, simplest installation, highest trajectory accuracy as well as first results within 30 min. are in the focus of our service. Thanks to the choice of three service packages tailored to requirements, not only the drilling trajectory, but also the project costs are on target.



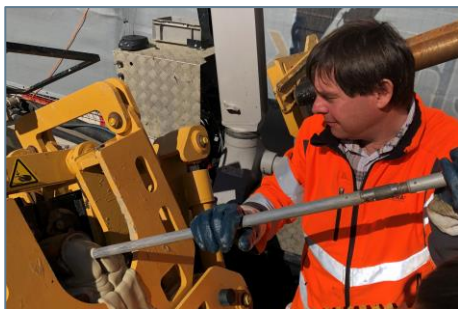
Areas of application

- pilot and directional drilling
- exploratory drillings
- pipe umbrella screen and injection drilling
- freezing boreholes
- raise-drill pilot drilling
- large-scale geothermal drilling
- pile foundations, rock- and soil anchor drilling



MEMS pin-point the precise heading

- highest precision thanks to the use of state-of-the-art MEMS based gyro technology
- easy to use in magnetic, cased or uncased boreholes
- choice of multi-shot or continuous measurement
- results clear and easy to understand - N+S presentation in tabular form and in 2D or 3D graphics



Decisive advantages at a glance

- no need to remove rods
- up to f 5 shorter measuring time compared to magnetic probes for cased holes
- first results within 30min. directly on-site
- highest trajectory accuracy < 0.2% (2m/1000m)
- vertical drillings d 30mm - 1200mm
- directional drilling and wedge orientation service
- drilling depths up to 6000m with heat shield up to 260°C

Customised services. flexible. tailored to requirements. reliable.

Gyro trajectory measurements			
Service	Essential	Master	Expert
Multishot 10: 10 measurements / 100m depth	✓		
Multishot 25: 25 measurements / 100m depth		✓	
Continuous 1000: Continuous measurement at 1000 Hz			✓
XLS data table and 2D graphics	✓	✓	✓
calculation total vertical depth TVD	✓	✓	✓
IN+OUT hysteresis difference table & calculation of average		✓	✓
data extrapolation to final drill hole depth		✓	✓
XLS data table and 3D N+S graphics			✓



Need further information?
Dr. Marc Pesendorfer will be happy to support you.

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