

Fiber Optic Gyroscope Inclinometer

This instrument features user-friendly software, making it adaptable to various construction requirements. It displays test data in tables and generates plane, sectional, side projection, and space trace diagrams.



Product Overview

Advanced Fiber Optic Technology

This fiber optic gyroscope inclinometer integrates the advantages of mechanical frame, electric solid, and dynamic tuning gyroscope technologies to deliver superior performance in geological surveying. Designed for high stability, accuracy, and drift resistance, it offers a robust solution for demanding environments. The system eliminates the need for ground-based north-finding, significantly reducing operational time and labor requirements.

Key Advantages

Operational Benefits

- No ground-based north-finding required
- High anti-impact performance
- Long operational useful life
- Advanced software for data visualization and plotting
- Supports plane, sectional, side projection, and space trace diagrams

Technical Specifications

Measurement Performance

0.1 °

Dip Angle Error

2 °

Azimuth Angle Error

0.3 °/h

Drift Rate

Measurement Ranges

Parameter	Range
Dip Angle	0 - 50°
Azimuth Angle	0 - 360°
Max Depth	< 1500 m

Physical Dimensions

Probe Size	150x 1600 mm
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