

# 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