Digital Inclinometer for Geotechnical Monitoring

This digital inclinometer is designed for measuring inclination and vertical displacement. It is ideal for monitoring slope stability, deformation of retaining walls, and settlement of embankments.

ADDITIONAL IMAGES

Overview

Precision Geotechnical Monitoring

This high-precision digital inclinometer is designed for accurate measurement of dip, azimuth, and tool face angles in vertical and directional boreholes. Engineered for reliability in demanding fields like hydrology, oil, and geology, it utilizes advanced digital signal processing and long-distance data transmission. The system features a portable control unit with an integrated LCD display and field printer, ensuring intuitive operation and immediate data analysis in diverse engineering environments.

Measurement Capabilities

Key Performance Metrics

1200 m	40 mm
Max Depth	Probe Diameter

Measurement Accuracy

Parameter	Range	Error Tolerance
Dip Angle (0-20°)	0-20°	±0.1°
Dip Angle (20-50°)	20-50°	±0.2°
Azimuth Angle (1-3° dip)	0-360°	±3°
Azimuth Angle (3-50° dip)	0-360°	±1.5°
Tool Face Angle	0-360°	±1.5°

Technical Specifications

Operating Environment

- Probe Temperature: -10°C to 50°C
- Probe Pressure: d15 MPa
- Relative Humidity: d85%

Power Supply	AC 220V, 50 Hz

Application Areas

Suitable Industries	Engineering, Hydrology, Oilfield, Coal Field, Geology