

Large-Bored Digital Compass Inclinometer

This is a large-bored compass inclinometer used for accurately measuring inclination and direction. It features a digital display for easy reading of measurements.



Product Overview

Professional Borehole Inclinometer

This large-bored digital compass inclinometer is engineered for precise inclination determination and directional control in various borehole environments, including engineering, hydrology, and oil field exploration. Designed for reliability, the system integrates sensors, power supply, and data processing into a single unit without the need for cables or mechanical moving parts. It offers high-performance, cost-effective measurement capabilities for both single and multi-point borehole surveying.

Measurement Capabilities

Dip Angle Range	50 °
Azimuth Angle Range	0-360°

Performance Metrics

Key Performance Metrics

1200 m
Max Depth

32 hours
Battery Life

100 groups
Max Data Groups

Technical Specifications

Measurement Accuracy

Parameter	Range	Accuracy
Dip Angle	0-50°	±0.2°
Azimuth (1-3° Dip)	0-360°	±5.0°
Azimuth (3-50° Dip)	0-360°	±3.0°

Probe Dimensions	∅70mm × 1509mm
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Operational Parameters

Measurement Configuration

- Fixed point measurement mode
- Delay time: 1-180 minutes
- Timing interval: 1-60 minutes
- Measurement points: 1-100

Ambient Temperature	0°C to 55°C
Power Source	Built-in Lithium Battery, Rechargeable