

Precision Inclinometer

This precision inclinometer accurately measures angles of inclination and declination. Its robust design and clear display make it suitable for various field applications, including geotechnical and structural monitoring.



Product Overview

Precision Borehole Inclinometer

This precision instrument is engineered for accurate determination of dip and azimuth angles within non-magnetic boreholes. Designed for versatility, it supports operations in engineering, hydrology, oil, coal, and geological fields. The system utilizes point measurement methods, allowing for direct readout on the ground control unit and multi-point determination capabilities.

Measurement Capabilities

Dip Angle Measurement

50 °

Measurement Range

30 min

Scale Division

30 min

Measurement Error

Azimuth Angle Measurement

356 °

Max Range

4 °

Scale Division

4 °

Measurement Error

Technical Specifications

Probe Dimensions

Parameter	Value
Diameter	54 mm
Length	145 cm
Weight	20 kg

Operating Environment

- Max Pressure: 50 MPa
- Probe Temp: Up to 100°C
- Control Case Temp: -20°C to +50°C

Power Supply

90 V

Application Suitability

Borehole Requirements

> 65mm Diameter • Non-magnetic • No Casing Tube

Suitable Industries

Engineering, Hydrology, Oil Field, Coal Field, Geology