

# Borehole Compass Incliner

This instrument determines the dip angle and azimuth angle of boreholes. It is used to control borehole drilling direction and slope to avoid accidents during drilling procedures.



## Overview

### Precision Borehole Measurement

The Borehole Compass Incliner is a specialized, non-magnetic instrument designed for precise angular measurements in geological and engineering applications. Built for durability, it features a robust outer sheath capable of withstanding significant hydraulic pressure. This self-contained unit operates without external power or cables, making it an ideal solution for single-point determinations in non-magnetic environments.

## Measurement Capabilities

### Dip Angle Accuracy

Range	Error
0–30°	±1°
30–60°	±2°

Azimuth Angle Range	360 °
Azimuth Error	±4° (for Dip angle e4°)

## Physical Specifications

Outer Diameter	75 mm
Instrument Length	1990 mm
Weight	33 kg

## Operational Details

### Max Working Temperature

**80 °C**

Max Temperature

Power Requirements	Not required (Manual operation)
Hydraulic Pressure Resistance	7 MPa
Timing Range	10–110 minutes
Operational Constraints	Cable-free, Single-point determination only, Non-magnetic area use only