

Digital Inclination Probe for Geotechnical Monitoring

This digital inclination probe measures inclination angles using an axis-oriented system. It provides digital output for point-by-point or continual measuring, offering ease of use and reliability.



Overview

High-Precision Geotechnical Monitoring

The Digital Inclination Probe is a specialized instrument engineered for precise inclination angle measurement in geotechnical and structural health monitoring applications. Designed for durability in demanding environments, it features advanced sensor technology that ensures high accuracy and minimal drift. The probe integrates seamlessly with data acquisition systems, providing reliable data for critical engineering projects.

Measurement Performance

Azimuth Accuracy Details

Condition	Accuracy
2° < Vertex Angle < 3°	±4°
Vertex Angle > 3°	±2°
Vertex Angle Range	60 °
Vertex Angle Accuracy	d0.1°
Azimuth Range	360 °

Physical Specifications

Weight Options

- d 4Kg (Standard)
- 5 Kg (Weight-gained bar)
- 6.36 Kg (3000 meters version)

Dimensions	145x1200mm
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Operating Environment

Operating Temperature	0 to 80°C
Pressurization	d 20Mpa, d 30 Mpa (3000m depth)