

High Precision Digital Inclinometer

This instrument is a precision device engineered for inclination measurement, utilizing a high-resolution sensor. Data processing is facilitated through an integrated microprocessor.



Overview

Professional Geotechnical Measurement

This high-precision digital inclinometer is engineered for critical geotechnical and engineering applications, including determining the verticality of concrete piles and monitoring lateral movement in slopes, dams, and excavations. The complete system includes a robust inclinometer probe, a receiver control unit, and an optional winch and cable assembly. Designed for demanding environments, it offers reliable performance and essential data logging capabilities for engineers and researchers.

Measurement Performance

Measurement Accuracy

Range	Error Tolerance
0–10°	10 arcminutes
10–30°	20 arcminutes
< 5°	< 6 arcminutes

Measurement Range	0 to 30 degrees
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Resolution	36 arcseconds
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Technical Specifications

Power Supply	AC 220V ±10%, 50 Hz
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Data Storage	25 records
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Airproof Performance	20 MPa
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Equipment Dimensions

Probe Size	150 × 1500mm
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Probe Weight	16.5 kg
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Control Case Size	280 × 230 × 110 mm
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Operating Environment

Probe Operating Temperature	-10 to 50°C
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Control Case Operating Temperature	0 to 45°C
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