



PT. GEOCIPTA BANGUN OPTIMA
Soil Investigation - Mapping - Soil Laboratory
Geophysical Survey - Geotechnical Instruments
Geotechnical Specialist

**GBO DIGITAL
INCLINOMETER**
model GBO-09202001IB

Features

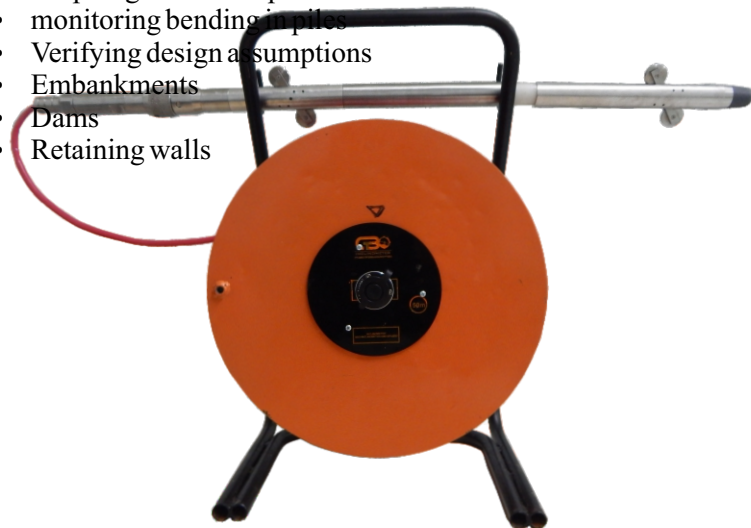
- Accurate and precise measurements using MEMS sensors
- Precision sprung wheel assemblies
- Bluetooth connection between cable reel and field PC
- Repeatable depth control using markers and cable gate system
- Easy transfer and capture of data

Applications

- Determination of lateral movement and determination of earth works or structure
- Measurement of magnitude of inclination or tilt and its variation with time in structures.

Typical Applications Include:

- Slope failures and landslides
- Shear and slip zones
- Diaphragm or sheet pile walls
- monitoring bending in piles
- Verifying design assumptions
- Embankments
- Dams
- Retaining walls



VERTICAL DIGITAL INCLINOMETER SYSTEM

GBO Digital Inclinator is used to measure lateral deflections within a borehole. The system comprises a biaxial probe, cable reel and field PC. The probe incorporates MEMS technology allowing highly accurate and repeatable readings, transferred via a digital signal. Bluetooth communications enables a cable free data transmitting system with no connectors to corrode or break.

Specifications

Probe

- | | |
|-------------------------------------|-------------------------|
| • Probe gauge length | : 968 mm |
| • Probe diameter | : 34 mm |
| • Calibrate ranges | : ± 45 degree |
| • Resolution | : ± 0.1 mm |
| • Sensor accuracy | : ± 0.1 mm per 25 m |
| • Repeatability | : $\pm 0.01\%$ FS |
| • Minimum chasing internal diameter | : 55 mm |
| • Maximum chasing internal diameter | : 88 mm |

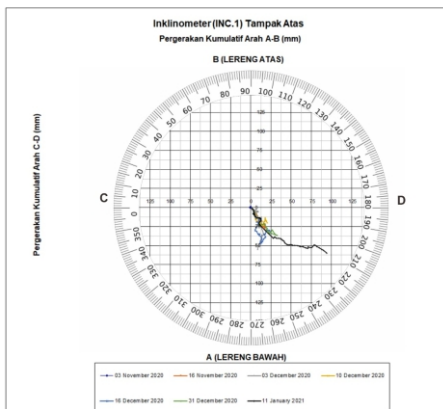
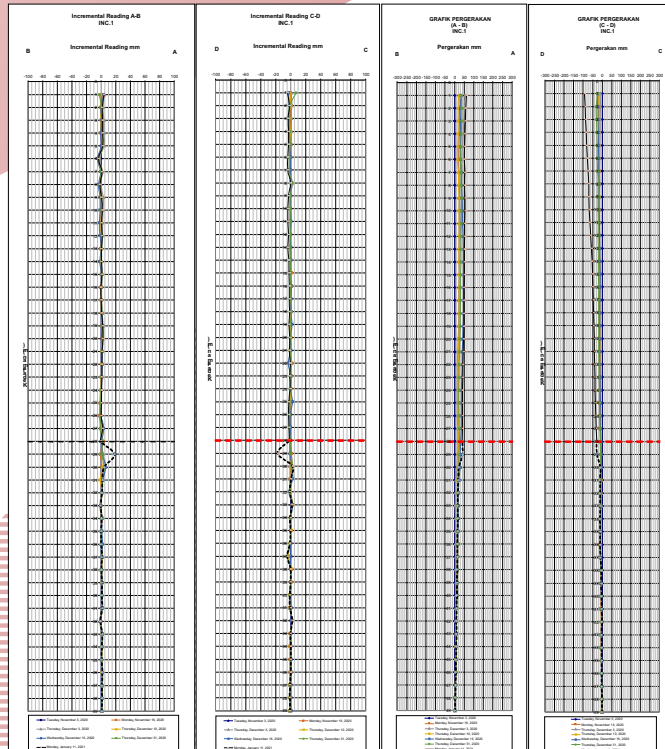
Cable

- | | |
|----------------|---------------------------------|
| • Type | : PVC mixed insulation material |
| • Cable Marker | : Transparant PU sheath |

Cable Reel

- | | |
|----------|-----------------------------|
| • Type | : 30 m 50 m 100 m |
| • Weight | : 5,1 kg 8,3 kg 14,6 kg |

Vertical Digital Inclinometer Data Processing and Surveying



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Technical Application Vertical Digital Inclinometer System

Mobile Application for Acquisition

Gino V.1.1

Operator Name

PT. Geocipta Bangun Optima

Location

Cisumdawu STA 22+050

Depth (m)

30.0

No BH

BH-5

Interval (m)

0.5

GWL (m)

12

Gino V.1.1

Operator : PT. Geocipta Bangun Optima

Location : Cisumdawu STA 22+050

BH-5 GWL : 12 m

Depth A B

30.0 0.0 0.0

Depth A B

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