

DATA SHEET



INCLINOMETER CASING

INTRODUCTION

Inclinometer casing play a vital role in measurement of lateral deformation. The casing is used in conjunction with digital inclinometer probe, in-place inclinometer chain or 3D in-place inclinometer with settlement monitoring chain to determine the movement in ground, embankment, dams, pile, diaphragm wall, structure or slope.

The sturdy grooved ABS casings acts as an access guide for the probe's wheels. It has longitudinal keyways at 90 degrees, specially produced to close tolerances. Wheels of tilt sensing probe can run smoothly inside these keyways. The casings are available with both fixed and telescopic coupling to suit field requirements.

FEATURES

- High precision machined internal grooves
- Self-aligning, leak-proof couplings
- ABS material and thick walls make it strong enough for use in any kind of application.
- No spiral effect, less than 0.3°/3 m
- One of the best design with advanced technology for the snap in
- Simple one-touch installation with snap-in type reduces field installation time.

APPLICATION

- Determination of lateral movement and deformation of earth works or structure
- Measurement of magnitude of inclination or tilt and its variation with time in structures like retaining/diaphragm walls, piles etc.



INCLINOMETER ABS ACCESS TUBING

Model EAN-AT series of access tubes are 3 m (~9.85 ft) in length. Different kinds of couplings are available to rapidly join access tubes. Telescopic couplings are available in case settlement is expected to take place. Design of fixed and telescopic couplings ensure that correct alignment of keyways is maintained throughout depth of gage well so that the orientation of the sensing probe does not change throughout the gage well.

Tubing and coupling Self-aligning ABS access tube, 3 m length

- Model EAN-AT 70: 70 mm o.d. (~ 2.75 in), 58 mm i.d.
- Model EAN-AT 85: 85 mm o.d. (~ 3.25 in), 77 mm i.d.
- Spiral: Less than average 0.3° per 3 m

ABS fixed coupling

- Model EAN-FC70 with 77 mm o.d x 160 mm length for 70 mm o.d. access tube.
- Model EAN-FC85 with 91.5 mm o.d x 200 mm length for 85 mm o.d. access tube.

ABS telescopic coupling

- Model EAN-TC70 77 mm o.d. x 300 mm length & displacement up to 150 mm for 70 mm o.d. access tube.
- Model EAN-TC85 91 mm o.d. x 380 mm length & displacement up to 150 mm for 85 mm o.d. access

ACCESSORIES

ABS end cap to fit at top or bottom

- Model EAN-EC70 for 70 mm o.d. access tube.
- Model EAN-EC85 for 85 mm o.d. access tube.

ABS lockable top cap

- Model EAN-TT70 for 70 mm o.d. access tube.
- Model EAN-TT85 for 85 mm o.d. access tube.

Pop rivets for ABS tubing

- Pop rivets packets of 100 numbers for fixed coupling.

Self tapping screws for ABS tubing

- Self tapping screws packets of 100 numbers for telescopic coupling.

Pop rivet gun

- Hand held manually operated.

Power drill

- 230 V 50 Hz operation power drill with two 3.2 mm dia drill bits.

Mastic tape

- 50 mm width x 10 m long mastic tape.

ABS casing sealing accessories

- BOPP tape 50 mm width x 30 m long



*All specifications are subject to change without prior notice

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TUNNELS



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CONSTRUCTION



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