

ROD EXTENSOMETER

Single rod extensometer or multiple rod (up to 6 rods per drillhole) are suitable for the measurement of movements of rocks and soil in:

- TUNNELS
- LANDSLIDES
- DAMS
- FOUNDATIONS
- UNDERGROUND OPENINGS
- MINING EXCAVATIONS
- CUT SLOPES AND TRENCHES



The extensometer employs a single or multiple anchor grouted in place at one end of a drillhole at various depth. The anchors are linked to the surface with stainless steel rods individually isolated by a plastic sleeve allowing free movements with no friction. The measurement of relative movements between the end anchor and the reference surface head allow rocks and soil monitoring. The movements can be detected through a dial depth gauge or displacement transducer (one for each rod) inserted in the reference head.

Monitoring ground movements due to tunneling or underground openings

Foundations settlements monitoring

Retaining walls displacements monitoring



TECHNICAL SPECIFICATIONS

ROD EXTENSOMETER



Product Code

EST103AC0100

EST406AC0100

<i>Anchor</i>	1 - 3	4 - 6
<i>Rod material</i>	Stainless steel	Stainless steel
<i>Rod diameter</i>	10 mm	10 mm
<i>Rod sleeve</i>	PVC	PVC
<i>Reference head material</i>	Aluminium/Brass	Aluminium/Brass
<i>Anchor material</i>	Stainless steel/ Brass	Stainless steel/ Brass

Drillhole minimum diameter 100 mm.

ACCESSORIES



TRS050420000

Displacement transducer stainless steel:

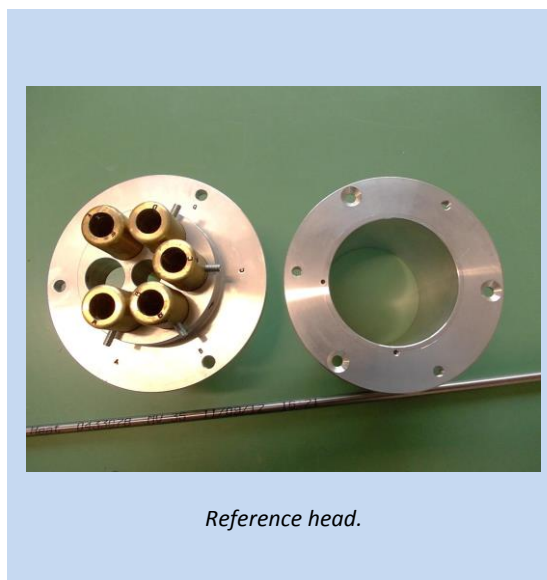
- Range: 0-50 mm
- Resolution: 0.01 mm
- Accuracy: 0.3 f.s.
- Signal output: 4-20 mA



TRS050420000

Digitale depth gauge:

- Range: 200 mm
- Resolution: 0.01 mm



Reference head.

Product specifications described herein are subject to change without notification.

Ingegneria & Controlli Italia S.r.l.

Sede legale
Sedi operative

- TORINO - Via Donati, 14
- TORINO
Interporto Sito km 20+500 Tang. Sud - Prima Strada, 5 - 10043 Orbassano - Tel. 011 3975311 - Fax 011 3493790
- BERGAMO
Via Gramsci, 5 - 24042 Capriate San Gervasio - Tel. 02 92864185 - Fax 02 92864187
- TERAMO
Viale Crispi, 17 - 64100 Teramo - Tel. 0861 411432 - Fax 0861 411442
- ROMA
Via Piave, 15 - 00187 Roma - Tel. 345 53 85 753