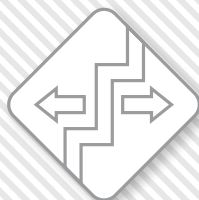




LEA_IT_EXT2001xxx



Tape Extensometer

www.pizzi-instruments.it
Instruments and Systems for Geotechnical and Structural Monitoring

LEA_IT_EXT2001xxx

Tape Extensometer



Description

The EN3 tape extensometer, EN3 allows the measurement of the relative movements between two points distant from each other (2m

Applications _____

The instrument is generally used for convergence measurement in galleries and for distance variations in:

- **Galleries**
- **Excavations**
- **Retaining walls**
- **Diaphragms**
- **Bridges**
- **Jetties and wharves**
- **Rockslides**
- **Caves**
- **Other**

Features and benefits _____

- **Robust**
- **Precise**
- **Easy to apply**
- **Easy to use**
- **Attachable to ring fixtures**
- **Available in hooking version joint for fixtures with a threaded head**
- **Can be used on frames with the possibility of interchange with topographical targets**

Measurement principle _____

The instrument is composed of a measuring body with centesimal comparator, a dynamometer system and a steel centimetered tape perforated at regular intervals. The free end of the perforated tape coming out of the instrument, and the body of the instrument are equipped with connections which are hooked to the fixtures cemented in the structure to be monitored during the measurement phase.

During the measurement phase, a locking pin allows the tape to be integrated with the body of the instrument;

the tape is generally engaged in the nearest hole to the base to be measured. A knurled drum, placed on the instrument allows the tape to be tensioned, enabling correct measurement.

For the realization of the reference points we offer standard fixtures consisting of steel bars with a coupling ring on the head, or fixtures with a simple thread and cover. The latter fixtures are generally used also for application of prisms or topographic targets.

Technical specifications

| | |
|--|--|
| Length of the tape | 20 m; 30 m |
| Dial Gauge | Analog Optional: digital |
| Range of the dial gauge | 30mm |
| Accuracy of the dial gauge | 0,01mm |
| Repeatability of the measurement at constant temperature | 0,1mm |
| Standard Hooks | Carabiner Optional: with threaded joint |
| Material | Plated brass, stainless steel ; internal parts in anodized aluminium |
| Housing | 80 x 20 x 15 cm |
| Weight of the instrument with Housing | 6,5 Kg |

Accessories and related products

| | |
|---|---------------------------------|
| Ring Fixture | To be applied on the wall |
| Joint Fixture | To be applied on the wall |
| Pair of carabiner hooking | To be applied on the steel tape |
| Pair of screw hooks with joint | To be applied on the steel tape |
| Stainless steel tape L=20 m, perforated | As spare part |
| Stainless steel tape L=30 m, perforated | As spare part |
| Collimation Aim for the screw fixture | |
| Optical Prism for screw fixture | |

Technical assistance —

If you have any requests or questions about our instruments or if you have special needs that require different solutions from the standard, please contact us. Our team will provide all the necessary information and will be very happy to work with you to study, develop and customize instruments and solutions suitable for your specific needs.

LEA_IT_EXT2001xxx

Tape Extensometer

The product information may be subject to variations at any time.
Please carefully check the release and contact Pizzi Instruments for further details.

Pizzi Instruments S.r.l.
Via del Fornaccio, 46
50012 - Bagno a Ripoli (FI) - Italy

Tel: +39 055 6810722 - Fax: + 39 055 6584923
info@pizzi-instruments.it
www.pizzi-instruments.it

