E3 DIGITAL TAPE EXTENSOMETER







Description

The Digital Tape Extensometer is a portable device used for measuring displacement between pairs of eyebolts.

These may be installed on a structure or in an excavation such as a tunnel or shaft.

Features

- Measuring range of up to 30m
- Digital LCD readout giving precise measurement
- Stainless Steel measuring tape
- Optical tension indicator

The Digital Tape Extensometer unit comprises a Stainless Steel measuring tape with equally spaced precision punched holes.

The tape winds onto a reel, which incorporates a tape tensioning device and a digital LCD readout.

Benefits

- Compact, portable and lightweight
- Accurate and robust
- Simple, reliable and easy to read
- Repeatable measurements using the optical tape tension indicator
- Can be operated by one person
- A single instrument can read multiple arrays



Comprehensive information about this product and our full range is available at www.soil.co.uk If you would like to speak with someone directly please call +44 (0)1825 765044 or email sales@soil.co.uk



Operation

The instrument only requires one person to operate. The body of the extensometer has a hook connector that connects to the first eyebolt. An identical hook on the free end of the tape connects on to the opposing eye bolt.

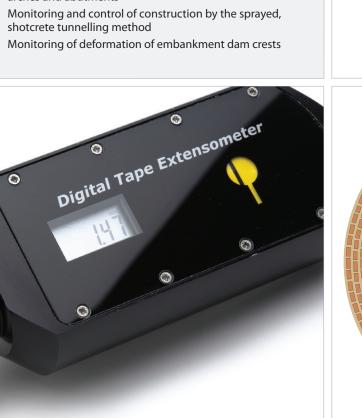
The user then tensions the instrument and record the readings from the digital LCD display.

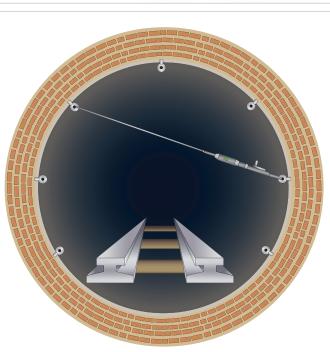
The measurements are not absolute, but relative to the previous measurement. This provides an accurate record of displacement over time.

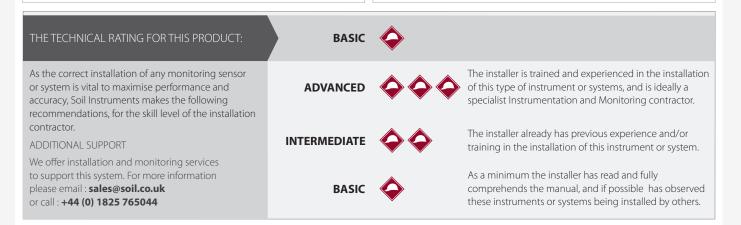
Applications

Typical applications include:

- Radial movements and convergence of tunnels, shafts, ٠ linings and caverns
- Displacement of retaining walls, cuttings, bridge piers, • arches and abutments
- shotcrete tunnelling method







	20m 20m 50m		
20m	30m	50m	
410g	610g	1kg	
	Stainless Steel		
	25mm		
motor			
	250mm	500mm	
170a		802g	
	10/9		
Stainless Steel			
M6 x 1 Pitch			
12g			
	1200 v 00 v 120mm		
	1200 x 80 x 130mm		
		410g 610g Stainless Steel 25mm meter 100mm 250mm Stainless Steel Zinc Plated Carbon Steel 170g 407g Stainless Steel M6 x 1 Pitch	

¹Accuracy of the micrometer ²Dependent on operator experience

Ordering Inform	nation
Digital Tape Extensom	neter
Tapes are Stainless Steel	for use with E3-2 eyebolts
E3-4.3-20	20 metre tape length
E3-4.3-30	30 metre tape length
Convergence Eyebolt	5
E3-2.31	With groutable anchor, 100mm length
E3-2.34	Protective cap for E3-2 anchors
Installation Equipmen	t
W6-4.4	Polyester resin cartridge 150ml, To fix anchor into drill hole
W6-4.5	Cartridge injection tool
W6-4.2	Metal adhesive for securing eyebolt to metal structure
E3-3.8	Tool kit for drilling holes in metal structures. Tool kit includes; 8.5mm diameter drill, tap wrench and M10 taps.
Extensometer Accesso	pries
E3-5.18	Portable reference bar
Extensometer Spares	
E3-5.13	Replacement stainless steel tape, 20 metre length
E3-5.14	Replacement stainless steel tape, 30 metre length
E3-5.20	Spare battery R44
Manual	
MAN-063	Digital Tape Extensometer





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