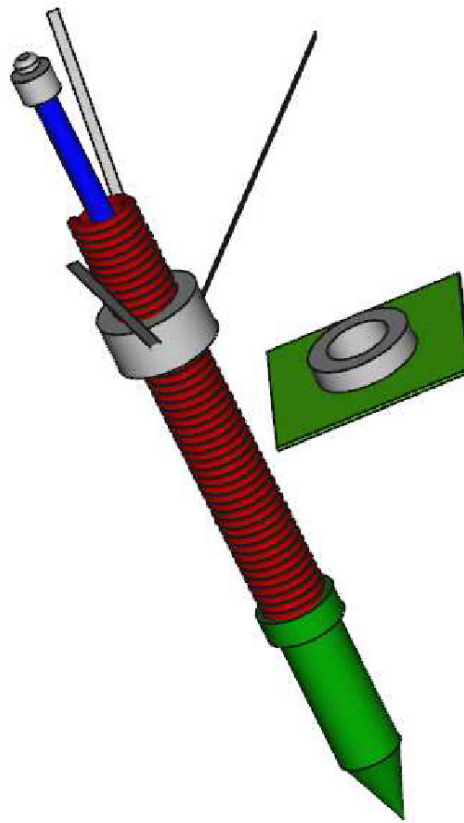




BRS Multipoint Settlement System

Technical Features

Settlement system is composed of:

- a telescopic column with two pipes that is installed in drilling hole,
- magnetic rings (model for hole or model for embankment) that are positioned at different depths
- a measuring device with acoustic and light indicator.

The measuring probe (BRS indicator) has a cable with centimeter indication installed on portable reel.

Magnetic rings for holes (spider magnets) have three harmonic steel elements as anchorages in the ground, model for embankment has a plate that is embedded in the ground.

Both models move following ground movements and they are detected by indicator which probe is inserted inside the pipe. Around the pipe there is the sheat and around the sheat there are the magnetic rings.

When the probe of indicator is at the depth of the rings a reed relais activates acoustic and light indicator. Measures are performed from top of the pipe that can be measured topographically.



Applications

Magnetic extensometer has been designed for measuring ground settlement during construction of railway, highway embankments.

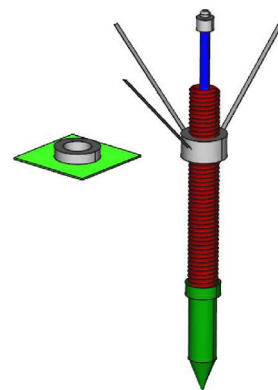
Magnetic rings can be positioned every meter or only where it is required.

OTR produce also the probe to measure the position of the rings.

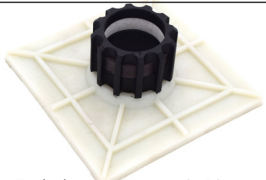
Related Instrumentations



- Bottom
- Top
- Pipe
- Sheat
- Hole Magnetic Ring
- Embakment Magnetic Ring
- BRS Probe
- OtrMonitoring



Technical Specification

 Bottom	Length: 300 mm Max Diameter: 60 mm Material: ABS Connection for Sheat
Top	Ring to connect with sheat Top cap Stainless Steel cap for topographical measures Material: Pvc, ABS, stainless steel
 Pipe	Length: 2000 mm Int/Ext diameter: 28/34 mm Material: PVC Couplers with pipe diameter
 Sheat	Length: can be joined every meter Est diameter: 55 mm Material: PVC
 Hole Magnetic Ring	Ext/Int Diameter: 86/56 mm Length: 275 mm Magnet: Plastic Ferrite
 Embakment Magnetic Ring	Dimensions: 185x185x15 mm Hole: 56 mm Magnet: Plastic Ferrite
 BRS Probe	Available lemgths 50, 100 m Sensor Diameter 13 mm Supply 9V battery Cable (Ø 4mm) with kevlar rope inside Resolution 1 cm



Codes & Part Numbers

P/N 2015025
P/N 2015026
P/N 2015022
P/N 2015021
P/N 2015020
P/N 2015023

SPIDER MAGNET SETTLEMENT RING
EMBANKMENT MAGNETIC TARGET
BRS ACCESS TUBE, 2.0 M
PVC CORRUGATE SHEATH
BOTTOM TIP
SUSPENSION HEAD ASSEMBLY