Monitor with Confidence

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ISO 9001

Top view showing the road-safe antenna cap.

PRODUCT CATEGORY:
EXTENSOMETERS

Road Extensometer

The Road Extensometer is a single point extensometer which determines the stability and movement behavior of traffic road subgrades, when subject to processes such as tunnelling underneath the road. The Road Extensometer can be installed within a 100 mm (4 in.) or larger borehole diameter. An antenna is located at the top of the extensometer and includes a road-safe antenna cap.

The Road Extensometer is equipped with an internal DT2011B Data Logger which can be enabled for RSTAR (automated collection) or DT Link (semi-automated collection) Wireless Data Collection Systems. Wireless transmission of data collected from the Road Extensometer, via the road antenna, is sent to an RSTAR Hub in a fixed location, or to a portable hub in a DT LINK System. More information on the DT2011B, RSTAR and DT LINK wireless data collection options can be found by viewing their brochures at rstinstruments.com.

A range of up to 100 mm is available for 3-5 ft. extensometer lengths and up to 300 mm range for 6 ft. and longer. Shorter units, up to 6 ft., are shipped fully assembled with anchor depth adjustment in the field for deeper installations by adding extensions.

> APPLICATIONS

Measure settlement and heave of foundations under roadways when subjected to processes such as tunnelling underneath.

Suitable for use in climates where snow plows are not required, thereby not damaging the antenna.

> FEATURES

Wireless data collection with RSTAR and DT LINK Systems.	No external power requirements. Long battery life.
Traffic rated.	No wires.
Rapid installation.	No obtrusive antenna.

Includes DT2011B Data Logger and Single Vibrating Wire Displacement Transducer in fully sealed housing.

> BENEFITS

✓ **Increase Safety**	✓ **High Accuracy**
✓ **Increase Productivity**	✓ **High Reliability**

ORDERING

ITEM	PART #
Rod Extensometer - specify length & range	EX4000
RSTAR HUB	
DT LINK HUB	

SPECIFICATIONS

ITEM	SPECIFICATION
Lengths	3-5 ft., 6 ft and longer
Ranges	Up to 100 mm for 3-5 ft. lengths. Up to 300 mm for 6 ft. and longer.
Sensor	Vibrating wire displacement transducer
Accuracy	0.1% F.S.
Battery Life	View RSTAR and DT LINK brochures at rstinstruments.com
Radio Frequency	900 MHz or 2.4 GHz
Dimensions	Cap: 4.5 in. / Head: 3.5 in. / Rod Anchor: 2.25 in.
Operating Temperature	-40°C to +60°C
Borehole Diameter	Minimum 100 mm (4 in.)