



Typical assembly of the Single-Point Compressometer.

	PRODUCT CATEGORY:
	EXTENSOMETERS

Single-Point Compressometer

The Single-Point Compressometer measures compression settlement or extension that may occur over the length of the instrument, within a soil or rock foundation. It is designed for installation into a borehole which must have a minimum ID of 75 mm.

A Displacement Transducer is located within a sealed Sensor Head Assembly which sits at the top end of the instrument, when installed into a borehole. The Sensor Head Assembly is separated from a Bottom Anchor by series of Extension Center Pipe sections, which can be custom designed to any length required.

The Extension Center Pipe sections consist of 1" (25.4 mm) stainless steel pipe, which is coupled together and protected by a 1.5" (38.1 mm) ID corrugated plastic Vacuum Hose. The rigidity of the 1" (25.4 mm) Extension Center Pipes provide high accuracy in the measurement of compression and/or extension between the two end anchor points.

The measurement sensors in the Compressometers are Vibrating Wire Displacement Transducers which will provide stable and accurate output that can be temperature corrected. A variety of different Vibrating Wire Displacement Transducer ranges are available on request.

Typical installations will have instrument cables connected to a data logger or to a readout unit to provide output data.

> WHY IT IS IMPORTANT

Measurements can be used to determine the stability and relative movement of rock or foundations which may impact the stability of nearby structures or geological features.

> APPLICATIONS

Measure extension or compression settlement within a soil or rock foundation.

> FEATURES

Rigid extension center pipes for high accuracy measurements.

Designed for quick, on-site assembly.

Durable construction.

> BENEFITS

- ✓ **High Accuracy**
- ✓ **Increase Safety**
- ✓ **Custom Options**

WORKS WITH



READY TO RUN
pre-assembled
pre-wired
pre-tested
pre-programmed

SPECIFICATIONS

ITEM	SPECIFICATION
Sensor	Vibrating Wire Displacement Transducers
Extension Center Pipe	25.4 mm (1 in.) diameter, stainless steel
Corrugated Vacuum Hose	38.1 mm (1.5 in.) ID, plastic

ORDERING

Single-Point Compressometer	Please contact RST
Multi-Point Compressometer (optional)	Please contact RST