
Magnetic Settlement Systems

Description

RST Instruments Magnetic Settlement Systems are available in 3 main configurations which monitor either heave or settlement in soil and rock. All are designed to be simple, accurate, and provide long term reliability at a low cost.

All 3 configurations listed below use an RST Reed Switch Probe to provide a reading in the magnetic zones allocated along the length of the borehole.

Installations are typically vertical, however, horizontal applications may be accommodated utilizing installation rods to insert the probe.

MAGNETIC SETTLEMENT SYSTEM WITH FLUSH THREADED PVC PIPE:

Installation as a single-purpose device to monitor settlement/heave only.

MAGNETIC SETTLEMENT SYSTEM WITH INCLINOMETER CASING:

Installed in conjunction with RST Flush-coupled Inclinometer Casing to obtain both vertical and horizontal deformation data from a single installation. If larger amounts of settlement/heave are anticipated, this configuration may also incorporate a Corrugated Sleeving with Settlement Magnetic Rings which will accommodate RST's Inclinometer Casing of 70 mm (2.75") and 85 mm (3.34") OD sizes.

MAGNETIC SETTLEMENT SYSTEM WITH 1.5" CORRUGATED PIPE:

A more inclusive system which contains pre-installed magnets along a 1.5" ID corrugated pipe. This corrugated configuration is also more ideal for situations where larger amounts of settlement/heave are anticipated.

Please refer to the downloadable specification sheet for additional part numbers, product descriptions, models and lengths

SYSTEM 1 -25.4MM (1") PVC PIPE WITH TELESCOPIC SECTIONS AND PLATE MAGNET WITH NO CORRUGATED PIPE

SYSTEM 1 - 70MM (2.75") SNAP SEAL AND GLUE SNAP INCLINOMETER SYSTEM WITH NO CORRUGATED PIPE

SYSTEM 1- 85MM (3.34") SNAP SEAL AND GLUE SNAP INCLINOMETER SYSTEM WITH NO CORRUGATED PIPE

SYSTEM 2- 70MM (2.75") INCLINOMETER GLUE SNAP AND SNAP SEAL SYSTEM WITH 3" CORRUGATED PIPE

SYSTEM 2- 85MM (3.34") INCLINOMETER GLUE SNAP AND SNAP SEAL SYSTEM WITH 4" CORRUGATED PIPE*

SYSTEM 3- 25.4MM (1") PVC PIPE WITH 1.5" CORRUGATED PIPE

REED SWITCH PROBES Please contact RST for non-standard length requests

*System with 85mm casing and 4" corrugated pipe is not standard offering, use at own discretion

SPECIFICATIONS