



ADHAR INSTRUMENTS & SERVICES



Magnetic Settlement System

Magnetic Settlement System AIS-800

Magnetic Settlement Systems are a portable system to monitor either heave or settlement in soil and rock. Installation may be either as a single purpose device to monitor settlement/heave only, or in conjunction with flush-coupled inclinometer casing to obtain both vertical and horizontal deformation data from a single installation. The system is simple, accurate, and has proven long term reliability at low cost. Installations are typically vertical, however, horizontal applications may be accommodated utilizing installation rods to insert the probe.

Applications

- Monitor settlement or heave associated with construction, mining, and tunneling.
- When used around inclinometer casing, deformation in the third axis can be monitored.
- Subsidence monitoring.
- Foundation settlement monitoring.
- Embankments and fills.

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Specifications:

Magnetic Prong	Magnetic prongs with steel blades
Raiser Pipe	33mm od PVC Pipe 3m long, with socket and caps.
Magnetic Indicator	Magnetic indicator with 30m taped cable, buzzer for sound and LED for light indication.
Magnetic Ring	Magnetic ring is available to use with inclinometer casing.
Magnetic Plate	Circular or square shape magnetic plate available for installation in fill.

Note: Magnetic settlement system to be decided as per site application. All parts indicated in this datasheet is not required for all applications.