



INSTRUMENTS

WiSe Tiltmeter System

Geo-Instruments Tilt-Sensors are an easy way to detect differential movement and rotation in structures.

Typical applications include:

- Effects of deep excavations and diaphragm wall construction on adjacent existing structures
- Ensure stability of structures affected by tunneling and mining activities
- Monitor deformation within tunnels including convergence

Benefits to this system are:

- Robust, accurate, simple and reliable
- Very cost effective as compared to other settlement profiling systems
- Good long term stability
- Installable on discrete points e.g. walls, ceilings or even non-vertical surfaces

This system has also been integrated with our WiSe data logging system. For more information on WiSe, please see the WiSe System Datasheet.

Range	+/- 45 Arc Minutes
Accuracy	+/- 0.1mm/m
Resolution	0.02% Full Scale
Repeatability	+/- 0.05% Full Scale
Excitation Voltage	2.5v AC
Current Consumption	<1 μ A
Output Signal	Ratiometric AC
Operating Temperature	-20 to +50° C
Zero Adjustment Range	+/- 5° Fine +/-25° Course
Ingress Protection	IP66

At Right: Wise paired with tiltmeter unit shown on angle bracket.
(Note: Tiltmeter can also be mounted vertically on 1.5 inch beam sensor stock in application where right angle bracket is inappropriate.)



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