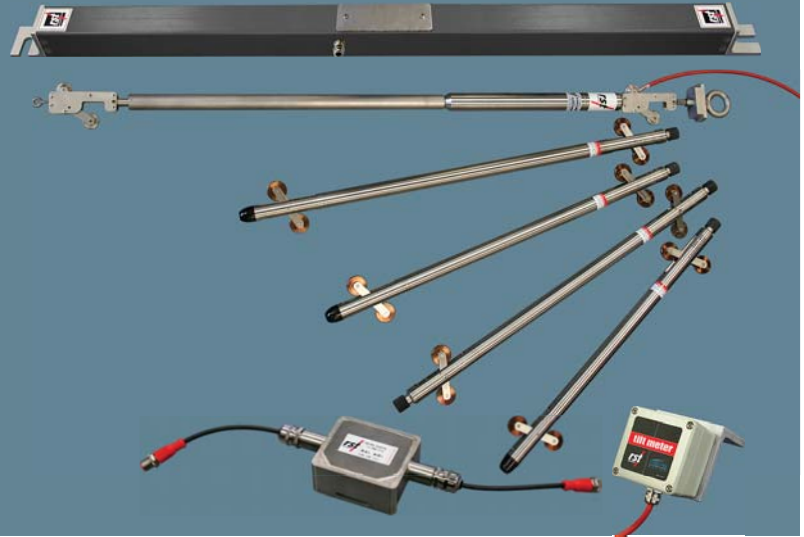


in geotechnical instrumentation innovation

MEMS tilt & inclination

By utilizing cutting edge MEMS technology, users will be well-equipped with unmatched precision, high thermal stability and rugged durability when compared to older technologies. In addition, an internal 24 bit A/D converter provides digital data return for superb resolution, noise immunity and overall system accuracy that competing tilt sensors cannot offer.



digital MEMS inclinometer

The Digital MEMS Inclinometer System from RST Instruments represents a major advance in the evolution of inclinometer systems.



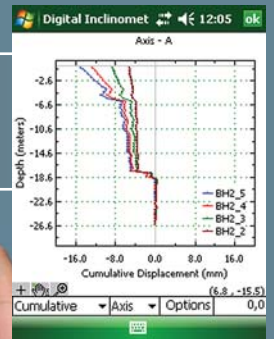
- Full Scale Range: $\pm 30^\circ$ (also available for inclined boreholes)
- Repeatability: $\pm 0.002^\circ$
- System Accuracy: ± 2 mm per 25 m
- Lightweight Cable Reel (6 kg for 100 m)
- Bluetooth between cable reel and Field PC
- Fast reading stabilization
- Excellent shock resistance



CERTIFIED RUGGED

Ultra-Rugged Field PC

- high-level user interface
- industry-leading memory
- Flash data security
- "at-the-borehole" data analysis
- comparison to previous data
- USB synchronization with office computers



Ultra-Rugged Field PC shown with actual screen shot of RST's Digital Inclinometer Software.

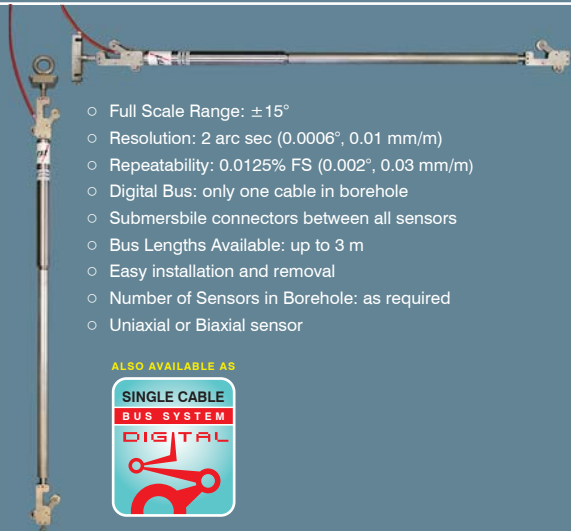
in-place inclinometers

Vertical In-place MEMS Inclinometer

- Monitor deflection of piles, piers, abutments or retaining walls.
- Monitor dams and embankments.
- Monitor slope stability and deep excavations.

Horizontal In-place MEMS Inclinometer

- Monitor settlement and vertical movements around tunnels, dams, roadways, embankments, storage tanks and landfills.



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