

DYWIDAG Smart Tilt

STRUCTURAL MONITORING SENSOR



Features & Benefits

- Robust & site ready design
- Rapidly deployed with a long service life
- Battery powered and simple to maintain
- Continuous readings with programmable features
- High accuracy and reliability

The DYWIDAG Smart Tilt is an innovative structural movement monitoring sensor used throughout the Transport and Construction sectors. It incorporates a specially designed mounting beam and anchor system which is deployed quickly and effectively into any surface, to provide solid and permanent contact. Our distinctive and innovative design is suited perfectly to the environment and built to last in service for many years.

The Smart Tilt is fully 'plug-and-play' with data transmitted to the Wireless Data Logger and then directly to DYWIDAG's web-database, Infrastructure Intelligence or any other data repository.

DYWIDAG Smart Tilt Technical Specification

SAMPLE RATE	Max 1 minute Min 4 hours
RANGE	+/- 10 Degrees
RESOLUTION	0.001 Degrees
ACCURACY	+/- 0.1% FS
ENCLOSURE TEMPERATURE	-55 to +65 Degrees celcius
POWER REQUIREMENTS	10 to 30V dc (QTYx4 3.6V Lithium Thyonyl Chloride D-cell)
SENSOR WEIGHT	1.00 kg
SENSOR DIMENSIONS	Width: 122 mm Depth: 120 mm Length: 90 mm
ENCLOSURE MATERIALS	Fire-Rated & ATEX Certified Glass Reinforced Polyester
MOUNTING OPTIONS	3mm Stainless Steel Universal Bracket - Wall, Beam, Pole mounting options Track Mounting Bracket: 5mm Aluminium Mounting Plate connected to 3mm Sacrificial Plate
BATTERY LIFE	10 years: based on single sample reading rate of 1 per 15 minutes 6-7 years: based on 5 samples per reading at a reading rate of 1 per 15 minutes
TRANSMITTER RANGE	1.5 km in typical conditions
INGRESS PROTECTION	IP68



GET IN TOUCH

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