

DYWIDAG Smart Tilt

STRUCTURAL MONITORING SENSOR



Features & Benefits

- Robust & site ready design
- Wireless or cable free installation
- 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, wireless or direct bus connected, 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	Adjustable Max - 1 minute Min - 18 hours
INPUTS	Solid State MEMS tilt sensor
RANGE	+/- 10 Degrees
RESOLUTION	0.001 Degrees
ACCUARCY	+/- 0.1% FS
OPERATING TEMPERATURE	-25°C to + 85°C
POWER REQUIREMENTS	10 to 30V dc (C Cell and Lead Acid Sealed options)
BATTERY LIFE	3 Years at 15 minute intervals (solar option)
WEIGHT	2.5kg (Beam) (Variable) 2.2kg (Sensor and Enclosure)
DIMENSIONS	50mm x 50mm x 1000mm (Beam) 150mm x 100mm x 250mm (Sensor and Enclosure)
MEMORY	Continuous stream of data to DYWIDAG Wireless Data Logger
DIRECT BUS CONNECTED MODULES (31 MODULE CAPACITY)	<ul style="list-style-type: none"> • 8 channel vibrating wire interface module • 24 channel MEMS IPI interface module Multi I/O
WIRELESS TRANSCEIVER (31 MODULE CAPACITY)	<ul style="list-style-type: none"> • 1 channel VW module • 8 channel VW module • 1 channel MEMS module • 24 channel MEMS module • 1 channel bridge sensor input range +22mV/V to -22mV/V module • Transmitter frequency 2.4Ghz • Transmitter range 300m
MATERIALS	Aluminium (Beam) Acetyl & Plastic (Sensor and Enclosure)



GET IN TOUCH

OUR HEAD OFFICE

Datum House, The Pavilions, Bridge Hall Lane, Bury,
Lancashire, BL9 7NX

CALL US

+44 161 797 5511

EMAIL US

info@dywidag-systems.com

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