



Is your structure safe? Structural Movement Monitoring

Features and 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

TiltMate – Structural Monitoring Sensor

The TiltMate 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.

TiltMates are fully 'plug-and-play' with data transmitted to the LoggerMate and then directly to Datum's web-database, Platform Interactive or any other data repository.



Technical Specification

SAMPLE RATE:	(Max and Min) 1 minute to 18 hours	RANGE:	+/- 10 Degrees
INPUTS:	Solid State MEMS tilt sensor	RESOLUTION:	0.001 Degrees
DIRECT BUS CONNECTED MODULES (31 MODULE CAPACITY):	8 channel vibrating wire interface module 24 channel MEMS IPI interface module Multi I/O	ACCURACY:	+/-0.06 Degrees
WIRELESS TRANSCIEVER (31 MODULE CAPACITY):	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	OPERATING TEMPERATURE:	-25°C to 85°C
MEMORY:	Continuous stream of data to LoggerMate	POWER REQUIREMENTS:	10 to 30V dc (C Cell and Lead Acid Sealed options)
		BATTERY LIFE:	3 years at 15 minute intervals
		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)
		MATERIALS:	Aluminium (Beam) Acetyl & Plastic (Sensor and Enclosure)

CONTACT DETAILS

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