DATASHEET

Automatic Pendulum Readout TP-2000 Series

Readout device specifically designed to automatically measure and record relative movements of normal and inverted pendulums

GEOSENSE

Automatic Pendulum Readout TP-2000 Series

Overview

The Geosense TP-2000 Series is a readout device specifically designed to automatically measure and record relative movements of normal and inverted pendulums. It is housed in a robust waterproof housing and is simple to install using a special mounting plate.

It can be installed as part of a complete new system or be retro-fitted as part of an upgrade to an existing manual system.

Measurements are obtained using highly sensitive and accurate CCD technology which converts the data with temperature correction into either an analogue or digital signal which can be transmitted to a remote data logger. Data can also be stored and read locally with an additional LED display.

The Geosense TP-2000 Series is available in three models as follows:

Model	Range
TP-2D-2001	50 x 50mm
TP-2D-2002	50 x 100mm
TP-3D-2003	50 x 100 x 50mm

APPLICATIONS

Automatic measurement of direct and inverted pendulums in large structures including:

- Dams
- Bridges
- High-rise buildings
- Tall structures

FEATURES

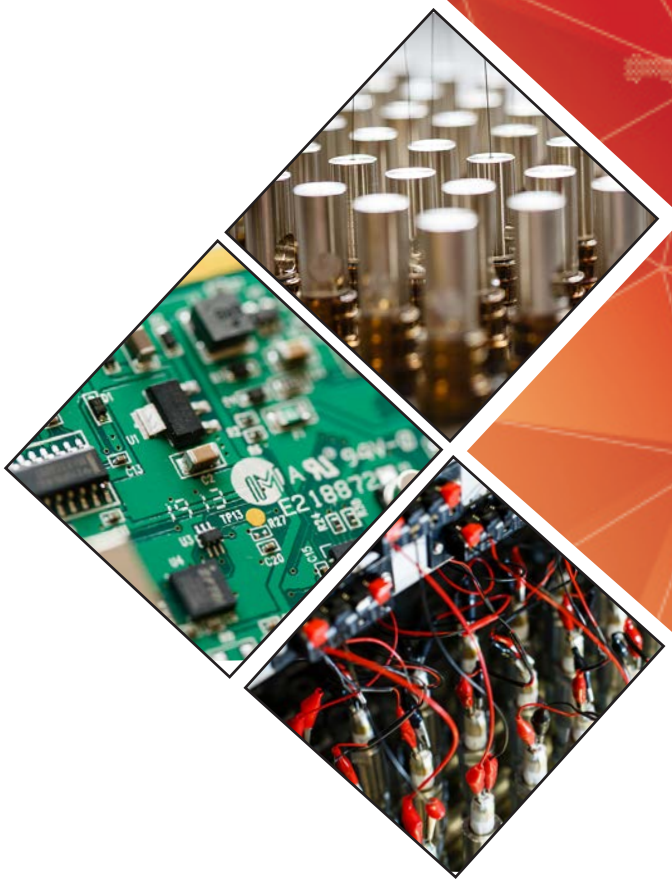
- Can be used with direct & inverted pendulums
- Can be retro-fitted to manual pendulums
- Local data storage
- Can be integrated into automatic data acquisition systems
- Analogue or digital output
- 2D & 3D models available
- Weatherproof housing

Automatic Pendulum Readout TP-2000 Series

Specifications

GENERAL

	2 Dimensional	2 Dimensional	3 Dimensional
Standard Ranges	(X axis) 0 to 50mm	(X axis) 0 to 50mm	(X axis) 0 to 50mm
	(Y axis) 0 to 50mm	(Y axis) 0 to 100mm	(Y axis) 0 to 100mm
			(Z axis) 0 to 50mm
Resolution	0.01mm	0.01mm	0.01mm
Accuracy	± 0.05mm	± 0.05mm	± 0.05mm
Repeatability	±0.1mm	±0.1mm	±0.1mm
Communication Method	4-20mA, RS-485	4-20mA, RS-485	4-20mA, RS-485
Display	4-digit LED	4-digit LED	4-digit LED
Data Storage	2000 data sets	2000 data sets	1200 data sets
Power Supply	85-265 VAC, 50-60 Hz	85-265 VAC, 50-60 Hz	85-265 VAC, 50-60 Hz
Operating Temperature	-15°C to +60 °C	-15°C to +60 °C	-15°C to +60 °C
Operating Humidity	100% relative humidity	100% relative humidity	100% relative humidity
Dimensions (LxWxH)	380x330x145mm	425x375x190mm	425x375x190mm
Protection	IP65	IP65	IP65



GEOSENSE

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