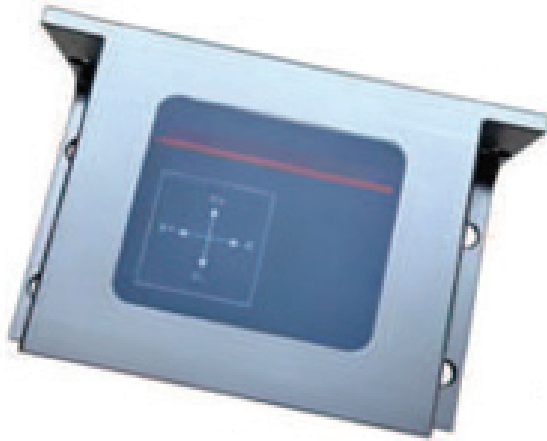


Advanced fully automated dual-axis tilt monitoring system designed for continuous real-time measurement of structural movement and deformation across a wide range of geotechnical and structural monitoring applications.



PRODUCT FEATURES

• Real-time monitoring

Captures and reports tilt and movement data continuously for improved monitoring accuracy and early warning capability.

• Wireless and solar powered

Utilises wireless communication and integrated solar power technology, eliminating the need for extensive site wiring and reducing installation costs.

• IP68 protection

Fully sealed integrated design provides reliable long-term performance in harsh outdoor and high-moisture environments.

• Simple installation

Compact all-in-one design allows for fast on-site deployment with minimal fieldwork and maintenance requirements.

• Accurate and reliable

High-precision dual-axis measurement technology delivers stable and dependable monitoring results for critical infrastructure applications.

• Wide application suitability

Ideal for monitoring buildings, bridge piers, retaining walls, towers, slopes, and other structures requiring continuous tilt and movement monitoring.

SPECIFICATIONS

Model	GS-DATMOS
Measurement Range:	±10°/±30°/±90°
Measurement Accuracy:	0.005~0.010 Standby current <20μA, Average transmission current <100mA
Operating Temperature:	-40 to 85°c
Vibration:	<3g/10Hz...150Hz (IEC 60068-2-6-2007)
Protection Level:	Ip68

FEATURES

Extended battery life	Solar-powered operation with no external power supply required
IP68 protection level	Fully integrated sealed design achieving IP68-rated protection
Real-time data collection	Supports scheduled data collection and real-time triggered reporting
Low power consumption	Designed for continuous monitoring while consuming minimal power
Long-term monitoring suitability	Ideal for movement studies, structural monitoring, and early warning applications
Theft prevention capability	Can assist with on-site equipment theft prevention through real-time reporting
Simple on-site operation	No on-site wiring required, reducing installation time and fieldwork
Remote configuration support	Supports remote parameter configuration and firmware updates

APPLICATIONS

Suitable for a wide range of structural and geotechnical monitoring applications including tilt buildings, towers, bridge piers, retaining walls, slopes, foundations, and other critical infrastructure where continuous real-time tilt and movement monitoring is required.

For more information about the Dual-Axis Tilt Meter or to discuss your project monitoring requirements, contact the team at CESCO Equipment. Our specialists can assist with product selection, technical advice, and tailored monitoring solutions for your application.