

The High Support Formwork Monitoring System is an advanced real-time structural monitoring solution designed to improve safety, stability, and construction efficiency on high-support formwork projects. Integrating wireless inclinometer, cable displacement, and axial force monitoring technology, the system provides continuous measurement of bracket displacement, pole inclination, axial force, and structural movement. With high-precision data collection, long battery life, LoRa + 4G communication, and seamless cloud platform integration, the system enables reliable remote monitoring and instant access to critical site data for enhanced construction risk management.



FEATURES

Integrated Monitoring System	Includes wireless inclinometer, wireless axial force monitor, wireless laser distance meter, and wireless terminal.
Comprehensive Monitoring	Measures bracket vertical displacement, horizontal displacement, pole tilt, and axial force.
High Precision Monitoring	Provides accurate data collection with high precision and wide measuring range.
Customisable Parameters	Supports customisation of collection intervals, baud rates, and other operating parameters.
Real-Time Data Transmission	Enables real-time collection, transmission, and instant display of monitoring data on tablets.
Cloud Platform Compatibility	Supports integration with various cloud monitoring platforms for convenient remote access.
Long Battery Life	Designed for ultra-low power consumption with battery life exceeding one year when collecting data every 5 minutes.
Rechargeable System	Rechargeable power design supports long-term field operation.
Open API Integration	Open cloud platform API enables seamless integration with user-specific platforms.
Rugged Construction	IP67/IP65 protection rating for reliable outdoor operation.
Wide Operating Temperature	Designed to operate in temperatures from -20°C to 70°C.

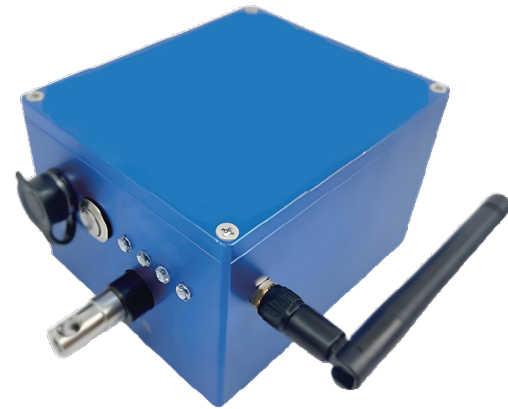
Wireless Inclinometer Specifications

Model	GS-WI01
Weight	Approx. 620 g
Casing Material	Aluminium alloy
Operating Temperature	-20°C to +80°C
Measuring Range	±90°
Resolution	0.001°
Accuracy	< ±0.01°
Communication Method	LoRa + 4G
Working Voltage	DC 5V
Dimensions	101 × 86 × 66 mm (excluding bracket)



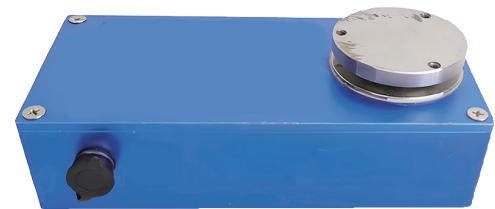
Wireless Cable Displacement Monitor Specifications

Model	GS-WCDM01
Communication	LoRa + 4G
Operating Temperature	-20°C to +80°C
Weight	Approx. 733 g
Measuring Range	0 to 500 mm
Resolution	0.1 mm
Accuracy	< ±1 mm
Working Voltage	DC 5V
Casing Material	Aluminium alloy
Dimensions	101 × 86 × 66 mm (excluding bracket)



Wireless Axial Force Monitor Specifications

Model	GS-WAFM01
Weight	Approx. 1357 g
Casing Material	Aluminium alloy
Operating Temperature	-20°C to +80°C
Measuring Range	0 to 50 kN
Resolution	1 N
Accuracy	< ±0.5%
Communication	LoRa + 4G
Working Voltage	DC 5V
Dimensions	180 × 85 × 46 mm (excluding stress surface)



For more information about the High Support Formwork Monitoring System 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.