

The GS-IWLM03 Integrated Water Level Meter is a compact and reliable monitoring solution designed for real-time groundwater level and seepage pressure measurement across a wide range of geotechnical and infrastructure applications.

Featuring wireless Lora/NB communication, low power consumption, and IP68 protection, the system delivers accurate long-term monitoring in harsh environmental conditions. Its integrated design allows for simple installation, remote configuration, and dependable performance in foundation pits, dams, embankments, water conservancy projects, and other critical structures.



FEATURES

Low Power Consumption	Designed for ultra-low power usage, allowing the system to operate for more than two years without an external power supply.
Real-Time Monitoring	Provides instant data collection and wireless transmission for continuous real-time monitoring through the monitoring system.
Built-In Self-Test Alarm	Automatically performs repeated measurements and verification when alarm thresholds are triggered for improved reliability.
Remote Parameter Configuration	Sampling intervals and system parameters can be modified remotely through the monitoring platform.
IP68 Protection Level	Fully sealed integrated design delivers excellent protection against water and harsh environmental conditions.
Compact and Easy Installation	Small integrated structure allows for simple installation and reduced on-site setup requirements.

SPECIFICATIONS

Model	GS-IWLM03
Collection Method:	Lora/NB Wireless Collection
Pressure Range:	-0.1 to 60 MPa
Operating Temperature:	-35°C to 75°C
Accuracy Level:	0.1%
Calibration Method:	485 Communication Multi-Point Calibration
Pressure Overload:	Overload Less Than 20%
Protection Level:	IP68
Power Supply Mode:	3.5V to 12V
Battery Capacity:	9000 mAh
Emission Current:	<130 mA

APPLICATIONS

The GS-IWLM03 Integrated Water Level Meter is suitable for groundwater level and seepage pressure monitoring across a broad range of civil, geotechnical, and infrastructure applications. Commonly used in deep excavation foundation pits, dams, embankments, tunnels, retaining structures, and water conservancy projects, the system provides reliable real-time monitoring data to support structural safety, stability assessment, and long-term asset management.



For more information about the GS-IWLM03 Integrated Water Level 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.