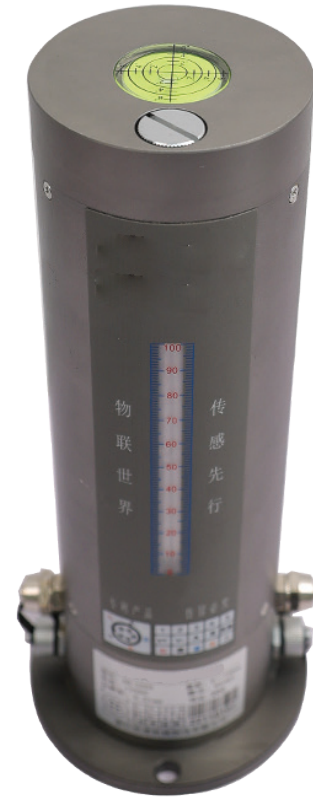


The GS-MSLM03 Magnetostrictive Static Level Meter is a high-precision monitoring instrument designed for accurate settlement and displacement measurement across a wide range of geotechnical and structural applications. Utilising advanced magnetostrictive sensing technology, it delivers reliable long-term monitoring performance with excellent stability, durability, and measurement accuracy, making it ideal for critical infrastructure and environmental monitoring projects.



FEATURES

High precision	Measurement accuracy up to 0.1% FS for reliable settlement and displacement monitoring
Long service life	Non-contact measurement design eliminates friction and reduces wear
High stability	Resistant to high temperatures, pressure, and corrosive environments
Absolute signal output	Provides stable output signals without the need for signal amplification or regular calibration
Cost-effective design	Combines high performance, adaptability, and easy installation for efficient long-term monitoring

SPECIFICATIONS

Model	GS-MSLM03
Measurement Accuracy	0.1 mm
Power Supply	Default 24V DC (optional 12V DC)
Displacement Range	100 mm
Repetition Error	$\pm 0.002 \mu\text{m}$
Protection Level	IP67
Output Signal	RS-485 output
Temperature Coefficient	$\leq 0.007 \mu\text{m}/^\circ\text{C}$
Operating Temperature	-40°C

APPLICATIONS

The GS-MSLM03 Magnetostrictive Static Level Meter is suitable for a wide range of settlement and displacement monitoring applications including bridge pier foundations, highway and rail subgrades, tunnel convergence monitoring, subway support walls, dams, water conservancy projects, and large-scale infrastructure developments. It is also ideal for monitoring settlement in rock-fill dams, underground structures, nuclear and hydro-power facilities, integrated pipe galleries, slopes, and high-rise building foundations where long-term stability and structural integrity are critical.



For more information about the GS-MSLM03 Magnetostrictive Static 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.