

Magnetostrictive Liquid Level Sensor

This magnetostrictive liquid level sensor is designed for accurate liquid level measurement in industrial settings. Utilizing magnetostrictive technology, the sensor delivers high-resolution measurements unaffected by temperature, pressure, or fluid density changes.



Overview

High-Precision Liquid Level Sensing

This magnetostrictive liquid level sensor is a precision instrument designed for accurate and reliable liquid level measurement in demanding industrial applications. Utilizing advanced magnetostrictive technology, it provides high-resolution and repeatable measurements that remain unaffected by fluctuations in temperature, pressure, or fluid density. Its robust construction ensures long-term stability and resistance to harsh environments, making it an ideal solution for fuel storage tanks, process control, and inventory management systems.

Performance Metrics

Measuring Range

200 mm

Min Range

5000 mm

Max Range

Accuracy & Repeatability

Parameter	Value
Measuring Accuracy	±1mm
Repeatability	0.5mm

Operating Conditions

Temperature Range

Condition	Range
Medium Temperature	-40~200
Working Temperature	-40~65

Pressure & Density

- Working Pressure: -0.05~4.0MPa
- Medium Density: 0.5~1.8g/cm³

Electrical & Connectivity

Power & Signal

- Power Supply: DC24V (15–32V)
- Signal Output: 4–20mA/HART, two line
- Load Capacity: d500at (24V)

Interface

- Display: 5 LCD display
- Electrical Interface: 1/2"NPT or M20*1.5

Mechanical & Safety

Certifications & Protection

IP65 • Ex iaaCT6 • Ex daBT5

Wetted Materials

Stainless steel 304, Stainless steel 316L, PTFE

Process Connection

G3/4" (inversion) HG20592-2009