

# 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/cm<sup>3</sup>

## 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