

Magnetostrictive Liquid Level Transmitter

This magnetostrictive level meter utilizes a float-controlled sensor for continuous liquid level sensing. It consists of a magnetostrictive sensor inside the measuring tube and an integral two-wire transmitter with a connection box.



Overview

High-Precision Level Measurement

The Magnetostrictive Liquid Level Transmitter provides precise and reliable liquid level measurement in various industrial applications. Utilizing advanced magnetostrictive technology, it offers exceptional accuracy and repeatability that remains unaffected by changes in process conditions such as temperature, pressure, and density. Designed with robust construction, this device is suitable for a wide range of liquids, including water, oil, chemicals, and solvents, ensuring durability in harsh environments.

Performance Metrics

Measuring Range

200 mm

Min Range

5000 mm

Max Range

Accuracy & Precision

Parameter	Value
Measuring Accuracy	±1mm
Repeatability	0.5mm

Technical Specifications

Electrical Data

- Power supply: DC24V (15~32V)
- Signal output: 4~20mA/HART, two line
- Load capacity: d500a (at 24V power supply)
- Electrical Interface: 1/2" NPT or M20*1.5

Environmental Ratings

IP65 • Ex iaaCT6 • Ex daBT5

Operating Conditions

- Medium Temperature: -40 to 200°C
- Working Temperature: -40 to 65°C
- Working Pressure: -0.05 to 4.0 MPa
- Medium Density: 0.5 to 1.8 g/cm³

Construction & Interface

Wetted Materials	Stainless Steel 304, Stainless Steel 316L, PTFE
Display	5-digit LCD display
Connection	G3/4" (inversion) HG20592-2009