

Rigid Magnetostrictive Probe for Inventory Management



Product Description

The MP551S Level Gauging Probe utilizes proven Magnetostrictive technology for accuracy and reliability. The probe is available in lengths from eighteen feet to twenty-four feet.

Applications

- Above and Below Ground Storage Tanks
- Bulk Storage Tanks
- All Petroleum Products
- Most Chemical Solvents

Specifications

- Technology: Magnetostrictive, Dual Float
- Accuracy (Minimum):
 - Product Level: 0.01" (0.254 mm)
 - Water Level: 0.01" (0.254 mm)
 - Temperature: 0.1 °F (0.06 °C)
- Materials:
 - Shaft: 316 SS
 - Floats: Buna-N (Optional 316 SS or Urethane)
- Mounting: Minimum 2" (51 mm) opening with bushing or flange mount
- Probe Lengths: 18' – 24' (5.5 m – 7.3 m)
- Temperature Sensing: 6 Thermistors; 5 in shaft, 1 in probe head
- Location Approval: UL Class I, Div 1, Groups C and D; cUL Class I, Zone 0, Group IIB
- Operating Temperature: -40 °F to 175 °F (-40 °C to 80 °C)
- Operating Pressure: 150 PSIG (1034 kPa)
- Field Wiring: 22AWG, 3-Conductor w/ shield
Belden 6501FE or equiv., maximum length 50' (15.2 m)

Installation

Probe is direct-mounted at the tank top via a 3/4" NPT compression fitting kit.

Certifications/Approvals

- UL/cUL Approved*, File #E139464

* When used in conjunction with the TMS2000W series WiDAM Wireless Data Acquisition Module

Note: Specifications subject to change without notice. 04-01-2013