

Rigid Magnetostrictive Probe



Product Description

The MP 550S Level Gauging Probe utilizes proven Magnetostrictive technology for accuracy and reliability. The probe is available in lengths up to eighteen feet.

Applications

- Above and Below Ground Storage Tanks
- Bulk Storage Tanks
- Generator Sub Base Tanks
- Oil / Water Separators (See MP552S Series spec)
- All Petroleum Products
- Most Chemical Solvents

Specifications

- Technology: Magnetostrictive, Dual Float, w/ reflection resolution doubling
- Accuracy (Minimum):
 - Product Level: 0.01"
 - Water Level: 0.01"
 - Temperature: 0.001° F
- Materials:
 - Shaft: 316 SS
 - Floats: Buna-N (Optional 316 SS or Urethane)
- Riser Mount: Minimum 2" dia. riser
- Direct Mount: Minimum 2" opening with bushing or flange mount
- Probe Lengths: 1' – 18'
- 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° to +175°F (-40° to +80° C)
- Operating Pressure: 150 PSIG
- Field Wiring: 22AWG, 3-Conductor w/ shield
Belden 6501FE or equiv., maximum length 50'

Installation

Probes 15' or less in length can be installed into a vertical riser pipe with the probe foot contacting the tank bottom, or direct-mounted at the tank top via a 3/4" NPT compression fitting kit. Probes greater than 15' must be direct-mounted.

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. 7-6-2009