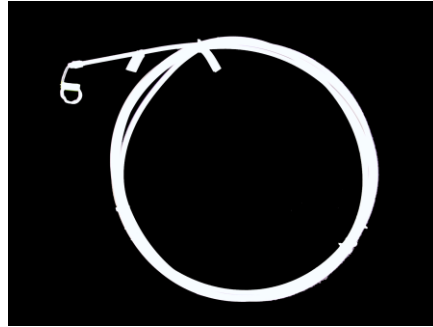


Flexible Magnetostrictive Probe



Product Description

The MP 46xS Series Level Gauging Probe utilizes proven Magnetostrictive technology for accuracy and reliability. Its flexible shaft construction permits easy shipping, handling, and installation of probes up to seventy feet in length. The MP 46xS Series Level Gauging Probe is ideally suited for large bulk storage tanks to seventy feet in height.

Applications

- Above and Below Ground Storage Tanks
- Bulk Storage Tanks
- Low ceiling clearance: (Minimum 14")
- All Petroleum Products
- Most Solvents, Acids, and Bases

Specifications

- Technology: Magnetostrictive, Dual Float
- Accuracy (Minimum):
 - Product Level: 0.01"
 - Water Level: 0.01"
 - Temperature: 0.001° F
- Materials:
 - Shaft: Kynar
 - Floats: 316 SS, Buna-N, Urethane, or Kynar
- Mounting: Minimum 2" opening with bushing or flange mount
- Probe Lengths: 2' – 70'
- Temperature Sensing: Available with 1 or 5 Thermistors
- 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: 50 PSIG
- Field Wiring: 22AWG, 2-Conductor twisted pair w/ shield
Belden 8441, Belden 8761, Alpha 1736C or equiv., maximum length 3000' to 4600'

Installation

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

Certifications/Approvals

- UL/cUL Approved*, File #E139464
- Model Numbers:

MP461	24"-216"
MP462	217"-288"
MP463	289"-600"
MP464	601"-840"

* When used in conjunction with the TMS series controllers

Note: Specifications subject to change w/o notice. 7-08-2009