

## Rigid Magnetostrictive Probe for Inventory Management



### Product Description

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The MP 551S 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

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

### Specifications

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- Technology: Magnetostrictive, Dual Float
- Accuracy (Minimum):
  - Product Level: 0.01"
  - Water Level: 0.01"
  - Temperature: 0.001° F
- Materials:
  - Shaft: 316 SS
  - Floats: Urethane (Optional 316 SS or Buna-N)
- Mounting: Minimum 2" opening with bushing or flange mount
- Probe Lengths: 18' – 24'
- 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

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

### Certifications/Approvals

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- 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