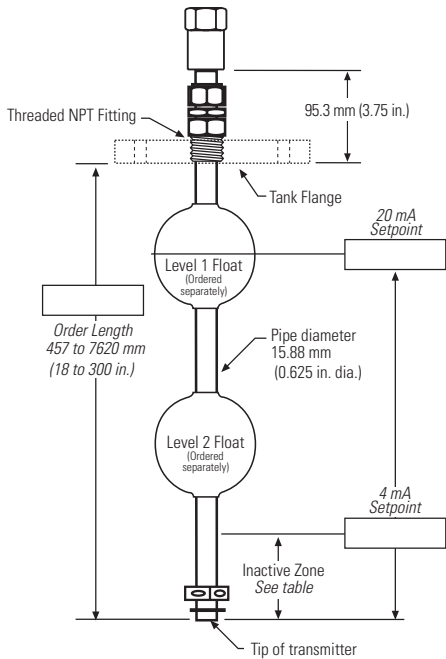


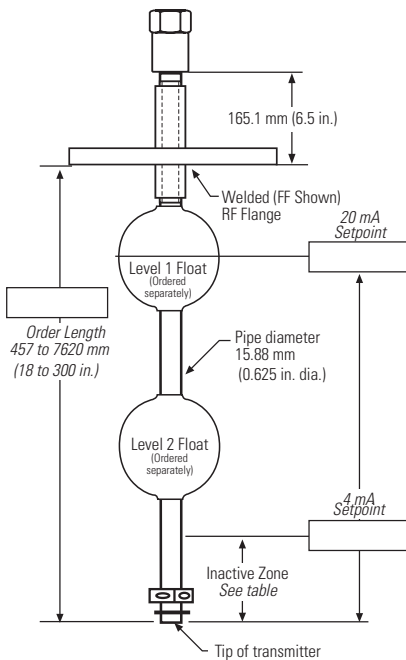
# M - Series Analog Application Data Sheet

## Rigid Sensor Pipe



**Figure 3-4a**

**Rigid Sensor Pipe with Threaded NPT fitting**



**Figure 3-4b**

**Rigid Sensor Pipe with Welded RF flange**

INACTIVE ZONES		
	Gauges <48 in.	Gauges >48 in.
<b>316L SS,</b>		
<b>Hastelloy C</b>	2.9 in. (73.66 mm)	2.9 in. (73.66 mm)
<b>Teflon</b>	4.2 in. (106.68 mm)	5.2 in. (106.68 mm)

**Notes:**

1. Inactive Zone from tip of gauge is shown below.
2. Allow overhead clearance for installation and removal of sensor.
3. Industrial end-plug with stop collar shown.
4. Sensor pipes less than 48 in. in length have a rigid sensor element. Sensor pipes greater than 48 in. in length have a flexible sensor element.

**TAG NUMBER(S)**

MTS Quote/Order #:

Company Name:

Customer Reference #:

Model #: Quantity:

Order Length:

Sensor Material:

Housing Type: **Check One:**

- |   |   |
|---|---|
| <input type="checkbox"/> NEMA 4X                  | <input type="checkbox"/> Single Cavity              |
| <input type="checkbox"/> Dual Cavity              | <input type="checkbox"/> Single Cavity with Display |
| <input type="checkbox"/> Dual Cavity with Display | <input type="checkbox"/> None (x)                   |

Flange/Process Connection:

Level 1 Float Part No.:

Level 1 Float Material: Pressure:

Level 1 Specific Gravity:

Level 2 Float Part No.:

Level 2 Float Material: Pressure:

Level 2 Specific Gravity:

Signal Output: **4-20 mA**

Loop 1 (check one):  Level 1  Level 2  Temperature

Loop 2 (check one):  Level 1  Level 2  Temperature

4 mA Location:  Loop 1  Loop 2

20 mA Location:  Loop 1  Loop 2

Alarm Setting (check one):  Low (3.8 mA)  High (21.5 mA)

Power Supply Required: **10.5 - 36.1 Vdc**

Maximum Vessel Operating Pressure: **(not to exceed 1000 psi (69 bar) or float pressure rating)**

Maximum Vessel Operating Temp. Range: **300°F (149°C)**

Approval Required (check one):  FM  CSA

Explosion-proof  IS

**Check One:**

<b>Market Description Code</b>	<b>Market Description Code</b>
<input type="checkbox"/> FB Food and Beverage	<input type="checkbox"/> PR Petroleum Production
<input type="checkbox"/> CH General Chemicals	<input type="checkbox"/> RE Petroleum Refining
<input type="checkbox"/> HP High Value Petrochemicals	<input type="checkbox"/> PB Pharmaceutical/Biotech
<input type="checkbox"/> LP LPG/LNG	<input type="checkbox"/> SG Sight Glass
<input type="checkbox"/> PE Petrochemical	<input type="checkbox"/> SV Solvents
<input type="checkbox"/> MA Petroleum Marketing	<input type="checkbox"/> TR Transportation
<input type="checkbox"/> PL Petroleum Pipeline	<input type="checkbox"/> US Ultrapure chemicals/semiconductor

Customer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Phone Number: \_\_\_\_\_

MTS Acceptance: \_\_\_\_\_ Date: \_\_\_\_\_