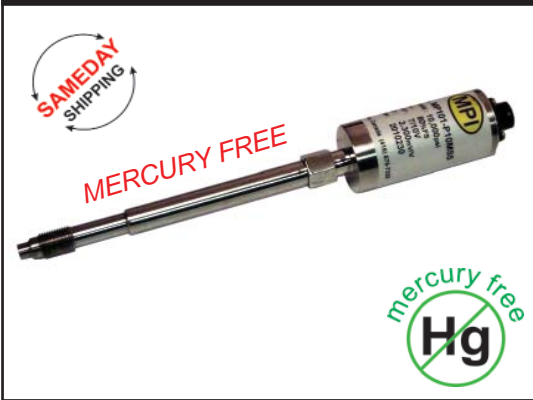


**MF100 SERIES**



**MF100 SERIES**

The diaphragm transmits pressure through the fluid filled capillary for high temperature stability. Four active arm wheatstone bridge strain gage ensures high accuracy. The rigid stem makes installation fast and easy.

**FEATURES MF100/200**

**MERCURY FREE FILL**  
 Standard 3.33mV/V  
 6pin Bayonet Connector  
 6" Stem  
 18" Flex Hose (MP200)  
 0.5% combined error  
 80% Output Calibration  
 Interchangeable with all Competitor's models  
 750°F (400°C) Rating  
 Ranges from  
 0-500 to 0-30,000psi  
 Standard Inconel Diaphragm

**MF200 SERIES**



**MF200 SERIES**

SAME AS MF100 PLUS:

18" flexible capillary with stainless armour coating. This provides further thermal isolation and installation flexibility.

**OPTIONS MF100/200**

**OUTPUT OPTIONS**  
 2.5mV/V 4-20mA  
 0-5VDC 0-10VDC  
**CONNECTOR OPTIONS**  
 8pin 6pin-CANNON  
**12" STEM**  
**30" Flex Hose (MP200)**  
**OPTIONAL DIAPHRAGMS**  
 Hastelloy  
 Titanium Nitride  
 Inconel Tip + Thread

**MFX SERIES**



**MFX SERIES**

SAME AS MF200 PLUS:

Temperature sensor mounted behind diaphragm. This provides temperature and pressure measurement from a single hole. The temperature sensor is field replaceable without removing pressure sensor.

**FEATURES MFX**

same as MP200 Plus  
 Thermocouple J  
 Field replaceable

**OPTIONS MFX**

same as MF200 Plus  
 Temperature Sensors  
 Thermocouple K  
 Pt100 RTD sensor

**SPECIFICATIONS**

**MECHANICAL**

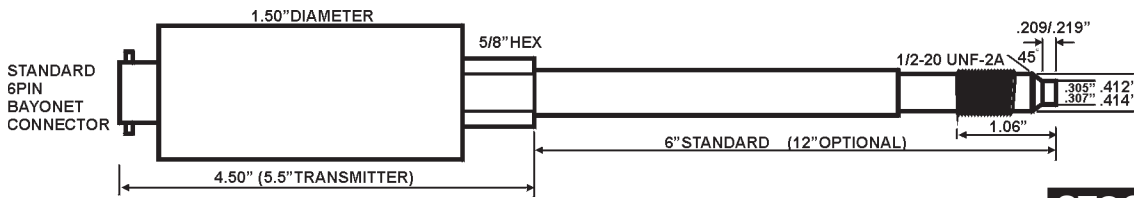
**Ranges:** 0-1000 to 0-30,000psi  
**Max Error:** 0.5% of Full Scale  
**Repeatability:** +/-0.2%  
**Overload Capab:** 2x Full Scale  
**Mount Torque:** 150in-500 in-lbs

**TEMPERATURE**

**Max Diaph. Temp:** 750°F(400°C)  
**Zero Shift of Diaph.:** 18psi/100°F  
**Zero Shift of Elect.:** 1%/100°F  
**Max Housing Temp:** 250°F(120°C)

**ELECTRICAL**

**Measuring Sensor:** 350ohm Wheatstone Bridge  
**Internal Shunt Cal(2.5 or 3.3mV/V):** 80% of FS  
**Zero&Span Adjust(0-5/10V or 4-20mA):** +/-0.15% FS  
**Excitation:** 2.5 or 3mV/V(7-12V recommend10V)  
 0-10V(14-36V) 0-5V(11-36V)  
 4-20mA(14-36V)



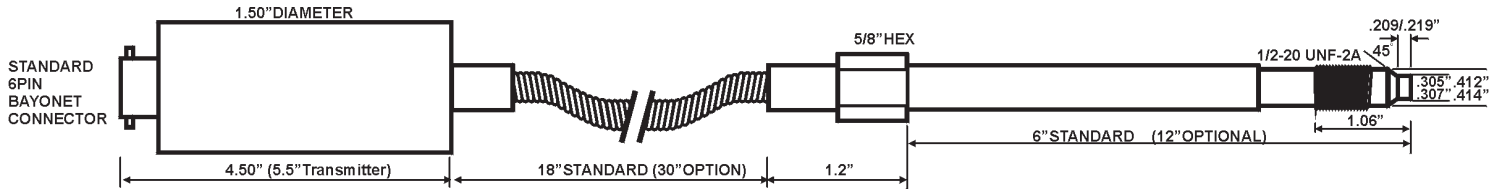
## ORDER CODE

**MF1 X**      **X - P XX**      **X**      **X**      **X**      **X**

0 - 6"stem    1 - 3.3mV/V    1    M - Psi x 1000    S - 6pin Bayonet    S - Standard Inconel    -    - 1/2"-20UNF  
 8 - 8"stem    2 - 2.5mV/V    1.5    B - Bar x 100    G - 6pin Screw    C - Chromium Nitride    M18 - M18x1.5  
 9 - 9"stem    4 - 4-20mA    3    P - MPa    8 - 8pin Screw    T - Titanium Nitride    M10 - M10x1.0  
 1 - 12"stem    5 - 0-5VDC    5       4 - 4pin DIN    I - Inconel Tip + Threads    .25 - 0.25% Accuracy  
                 6 - 1-5VDC    7.5 15    H - Hastelloy  
                 7 - 0-10VDC    10 20    D - Diamond Particulate

STOCK LIST <span style="color: red;">Inconel Tip All Outputs &amp; Connectors</span>	
PSI	STEM
1500	6"
3000	6"
5000	6", 12"
7500	6"
10,000	6", 12"
15,000	6"
20,000	6"

# MF200 MERCURY FREE - RIGID STEM + FLEX



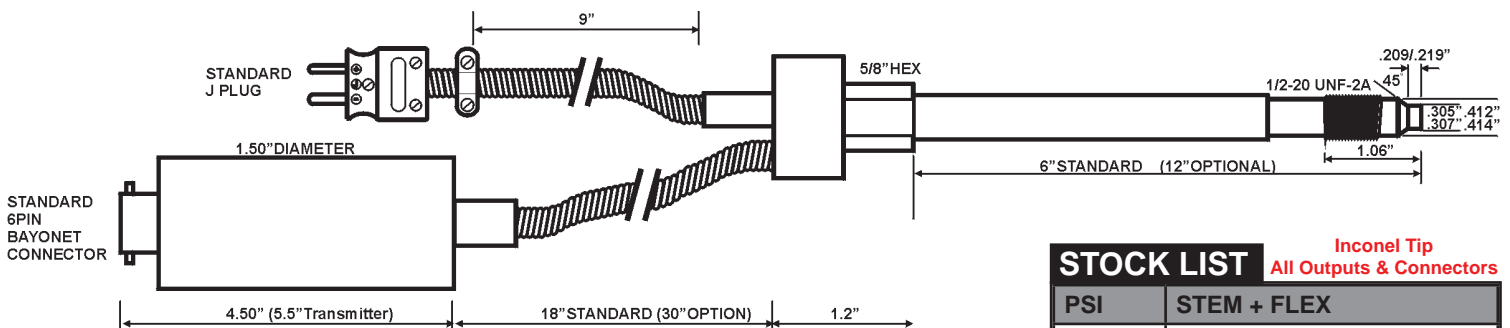
## ORDER CODE

**MF2 X**      **X - P XX**      **X**      **X**      **X**      **X**

0 - 6"stem+18"Flex    1 - 3.3mV/V    1    M - Psi x 1000    S - 6pin Bayonet    S - Standard Inconel    -    - 1/2"-20UNF  
 1 - 12"stem+18"Flex    2 - 2.5mV/V    1.5    B - Bar x 100    G - 6pin Screw    C - Chromium Nitride    M18 - M18x1.5  
 3 - 6"stem+30"Flex    4 - 4-20mA    3    P - MPa    8 - 8pin Screw    T - Titanium Nitride    M10 - M10x1.0  
 4 - 12"stem+30"Flex    5 - 0-5VDC    5       4 - 4pin DIN    I - Inconel Tip + Threads    .25 - 0.25% Accuracy  
 8 - 8"stem+18"Flex    6 - 1-5VDC    7.5 15    H - Hastelloy  
 9 - 9"stem+18"Flex    7 - 0-10VDC    10 20    D - Diamond Particulate

STOCK LIST <span style="color: red;">Inconel Tip All Outputs &amp; Connectors</span>	
PSI	STEM + FLEX
1500	6"+18"
3000	6"+18"
5000	6"+18", 6+30, 12+18
7500	6"+18"
10,000	6"+18", 6+30, 12+18
15,000	6"+18"
20,000	6"+18"

# MFx MERCURY FREE - PRESSURE + TEMPERATURE



## ORDER CODE

**MF X**      **X - P XX**      **X**      **X**      **X**      **X**

J - T/c J    0 - 6"stem+18"Flex    1 - 3.3mV/V    1    M - Psi x 1000    S - 6pin Bayonet    S - Standard Inconel    -    - 1/2"-20UNF  
 K - T/c K    1 - 12"stem+18"Flex    2 - 2.5mV/V    1.5    B - Bar x 100    G - 6pin Screw    C - Chromium Nitride    M18 - M18x1.5  
 P - PT100    3 - 6"stem+30"Flex    4 - 4-20mA    3    P - MPa    8 - 8pin Screw    T - Titanium Nitride    M10 - M10x1.0  
                 4 - 12"stem+30"Flex    5 - 0-5VDC    5       4 - 4pin DIN    I - Inconel Tip + Threads    .25 - 0.25% Accuracy  
                 8 - 8"stem+18"Flex    6 - 1-5VDC    7.5 15    H - Hastelloy  
                 9 - 9"stem+18"Flex    7 - 0-10VDC    10 20    D - Diamond Particulate

STOCK LIST <span style="color: red;">Inconel Tip All Outputs &amp; Connectors</span>	
PSI	STEM + FLEX
1500	6"+18"
3000	6"+18"
5000	6"+18", 6+30, 12+18
7500	6"+18"
10,000	6"+18", 6+30, 12+18
15,000	6"+18"
20,000	6"+18"