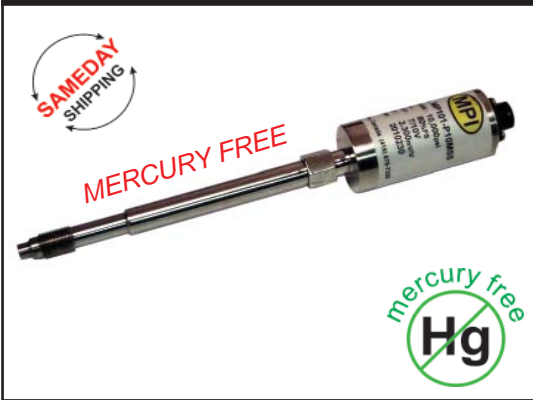


MF100 SERIES



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 (MF200)
 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
 3,4,9,12,18"STEM
 24,30 or 60" Flex Hose (MF200)
OPTIONAL DIAPHRAGMS
 Hastelloy
 Titanium Nitride
 Inconel Tip + Thread
 Option "E" - Epoxy filled can
 Option "W" - Tig Welded Can with Epoxy Fill

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 MF200 Plus
 Thermocouple J
 Field replaceable

OPTIONS MFX

same as MF200 Plus
 Temperature Sensors
 Thermocouple K
 Pt100 RTD sensor

SPECIFICATIONS

MECHANICAL

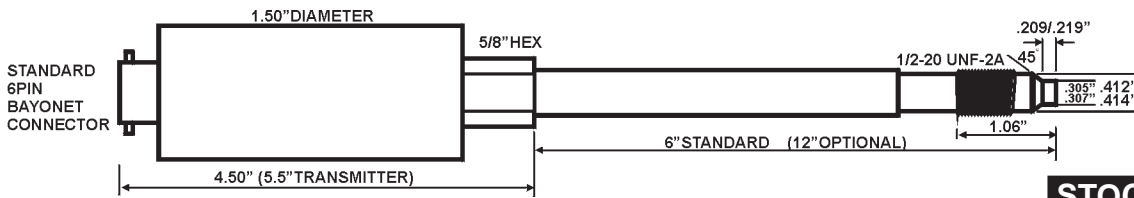
Ranges: 0-500 to 0-30,000psi
Max Error: 0.5% of Full Scale
Repeatability: +/-0.2%
Overload Capab: 2x Full Scale
Mount Torque: 150in-500 in-lbs

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 3.3mV/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**

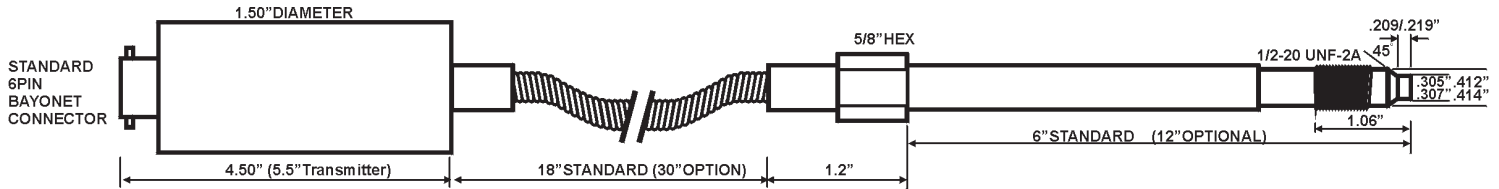
0 - 6"stem 1 - 3.3mV/V 1 M - Psi x 1000 S - 6pin Bayonet S - Standard Inconel - - 1/2"-20UNF
 8 - 8"stem 2 - 2.5mV/V 1.5 B - Bar x 100 G - 6pin Screw C - Chromium Nitride M18 - M18x1.5
 9 - 9"stem 4 - 4-20mA 3 P - MPa 8 - 8pin Screw T - Titanium Nitride M10 - M10x1.0
 1 - 12"stem 5 - 0-5VDC 5 K - kg/cm2 N - 1/2"NPT+ I - Inconel Tip + Threads .25 - 0.25% Accuracy
 6 - 1-5VDC 7.5 15 36"Teflon H - Hastelloy E - Epoxy Filled Can
 7 - 0-10VDC 10 20 4 - 4pin DIN D - Diamond Particulate W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM
1000	6"
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**

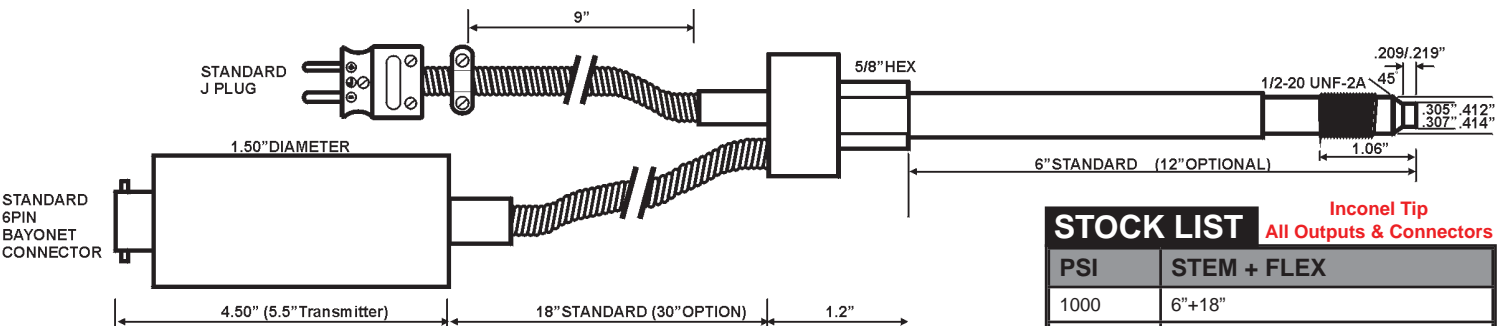
0 - 6"stem+18"Flex 1 - 3.3mV/V 1 M - Psi x 1000 S - 6pin Bayonet S - Standard Inconel - - 1/2"-20UNF
 1 - 12"stem+18"Flex 2 - 2.5mV/V 1.5 B - Bar x 100 G - 6pin Screw C - Chromium Nitride M18 - M18x1.5
 3 - 6"stem+30"Flex 4 - 4-20mA 3 P - MPa 8 - 8pin Screw T - Titanium Nitride M10 - M10x1.0
 4 - 12"stem+30"Flex 5 - 0-5VDC 5 K - kg/cm2 N - 1/2"NPT+ I - Inconel Tip + Threads .25 - 0.25% Accuracy
 8 - 8"stem+18"Flex 6 - 1-5VDC 7.5 15 36"Teflon H - Hastelloy E - Epoxy Fill Can
 9 - 9"stem+18"Flex 7 - 0-10VDC 10 20 4 - 4pin DIN D - Diamond Particulate W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + FLEX
1000	6"+18"
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** **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 K - kg/cm2 N - 1/2"NPT+ I - Inconel Tip + Threads .25 - 0.25% Accuracy
 8 - 8"stem+18"Flex 6 - 1-5VDC 7.5 15 36"Teflon H - Hastelloy E - Epoxy Fill Can
 9 - 9"stem+18"Flex 7 - 0-10VDC 10 20 4 - 4pin DIN D - Diamond Particulate W - Tig Welded Can with Epoxy Fill

STOCK LIST

Inconel Tip
All Outputs & Connectors

PSI	STEM + FLEX
1000	6"+18"
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"