

## MP100 SERIES



### MP100 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.

## MP200 SERIES



### MP200 SERIES

SAME AS MP100 PLUS:

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

## MPX SERIES



### MPX SERIES

SAME AS MP200 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 MP100/200

- \* Fluid filled system
- \* Standard 3.33mV/V
- \* 6pin Bayonet Connector
- \* 6" Stem
- \* 18" Flex Hose (MP200)
- \* 1% combined error
- \* 80% Output Calibration
- \* Interchangeable with all Competitor's models
- \* 750°F (400°C) Rating
- \* Ranges from 0-500 to 0-20,000psi
- \* Standard Diaphragm INCONEL

### OPTIONS MP100/200

- \* OUTPUT OPTION 2.5mV/V
- \* CONNECTOR OPTIONS 8pin 6pin-SCREW
- \* 12" STEM
- \* 30" Flex Hose (MP200)
- \* OPTIONAL DIAPHRAGMS Hastelloy Extra Long Life Triple-Tip

### FEATURES MPX

- \* same as MP200 Plus
- \* Thermocouple J Field replaceable

### OPTIONS MPX

- \* same as MP200 Plus
- \* Temperature Sensors Thermocouple K Pt100 RTD sensor

## SPECIFICATIONS

### MECHANICAL

**RANGES**  
0-500, 750, 1000, 1500, 3000, 5000, 7500, 10000, 15000, 20000psi

**MAX ERROR**  
+/-1% Of Full Scale

**REPEATABILITY**  
+/-0.2% Of Full Scale

**OVERLOAD CAPABILITY**  
2x Full Scale or 30,000psi MAX

**MOUNTING TORQUE**  
150 inch-lbsMIN 500 inch-lbsMAX

### TEMPERATURE EFFECTS

**MAXIMUM DIAPHRAGM TEMP**  
750 F (400 C)

**ZERO SHIFT of DIAPHRAGM**  
15psi / 100 F

**MAXIMUM HOUSING TEMP**  
250 F (120 C)

**ZERO SHIFT of ELECTRONICS**  
1% / 100 F

### ELECTRICAL

**MEASURING SENSOR**  
Wheatstone Bridge Strain Gauge

**ELEMENT RESISTANCE**  
350ohm +/-1% Of Full Scale

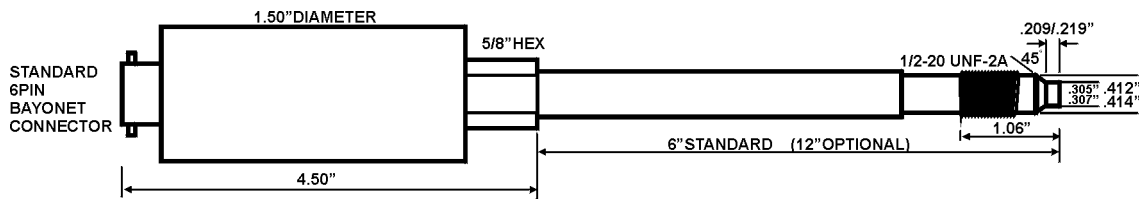
**INTERNAL SHUNT CALIBRATION**  
80% +/-0.5% Of Full Scale

**ZERO BALANCE**  
+/-10% FULL SCALE

**OUTPUT 3.33mV/V or 2.5mV/V**  
EXCITATION 7-12VDC  
RECOMMENDED - 10VDC

# MP100 - RIGID STEM

# MELT PRESSURE



## ORDER CODE

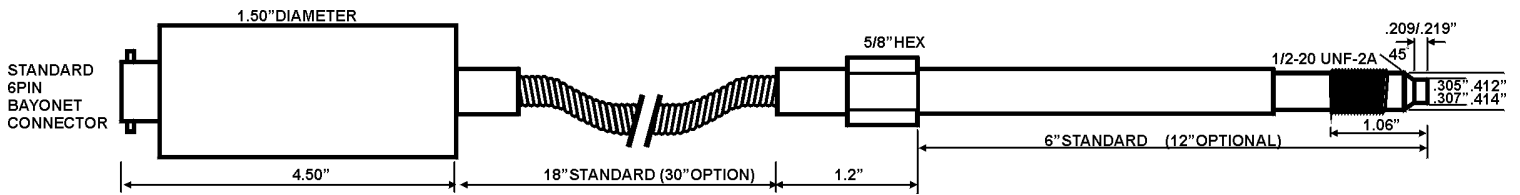
<b>MP1</b>	<b>X</b>	<b>X</b>	<b>P XX X</b>	<b>X</b>	<b>X</b>
0 - 6"	1 - 3.33mV/V	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL
1 - 12"	2 - 2.5mV/V	3	B - BAR x100	8 - 8PIN SCREW	C - CHROMIUM NITRIDE
		5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE
		7.5		G - 6PIN SCREW	I - INCONEL TIP & THREADS
		10			H - HASTELLOY
		15			3 - TRIPLE WEAR TIP
		20			

## STOCK LIST - MP100

PART#	PRESS (psi)	OUTPUT
MP101-P3MxS	3,000	3.33mV/V
MP101-P5MxS	5,000	3.33mV/V
MP101-P7.5MxS	7,500	3.33mV/V
MP101-P10MxS	10,000	3.33mV/V
MP101-P15MxS	15,000	3.33mV/V
MP101-P20MxS	20,000	3.33mV/V

X - SPECIFY CONNECTOR

# MP200 - RIGID STEM + FLEX



## ORDER CODE

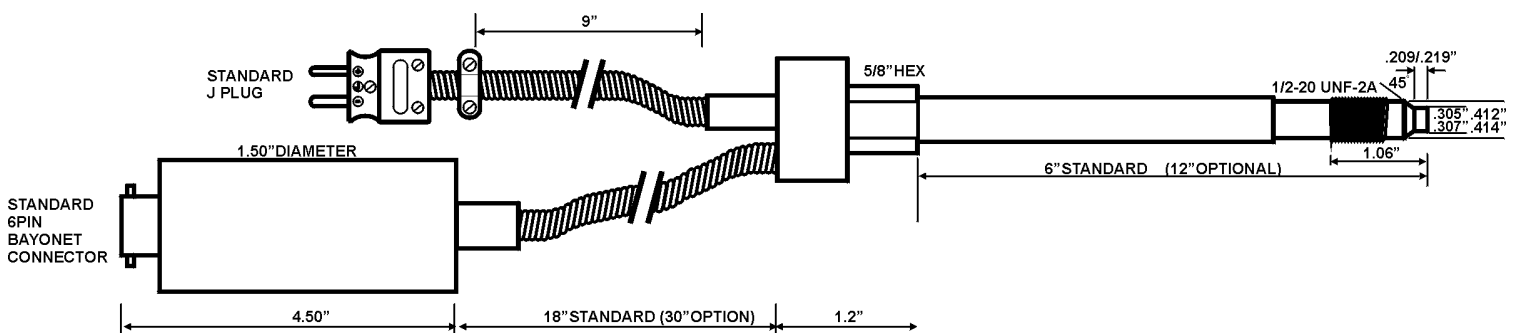
<b>MP2</b>	<b>X</b>	<b>X</b>	<b>P XX X</b>	<b>X</b>	<b>X</b>
0 - 6"+18" FLEX	1 - 3.33mV/V	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL
1 - 12"+18" FLEX	2 - 2.5mV/V	3	B - BAR x100	8 - 8PIN SCREW	C - CHROMIUM NITRIDE
3 - 6"+30" FLEX		5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE
4 - 12"+30" FLEX		7.5		G - 6PIN SCREW	I - INCONEL TIP & THREADS
		10			H - HASTELLOY
		15			3 - TRIPLE WEAR TIP
		20			

## STOCK LIST - MP200

PART#	PRESS (psi)	OUTPUT
MP201-P3MxS	3,000	3.33mV/V
MP201-P5MxS	5,000	3.33mV/V
MP201-P7.5MxS	7,500	3.33mV/V
MP201-P10MxS	10,000	3.33mV/V
MP201-P15MxS	15,000	3.33mV/V
MP201-P20MxS	20,000	3.33mV/V

X - SPECIFY CONNECTOR

# MPX - PRESSURE + TEMPERATURE



## ORDER CODE

<b>MPX</b>	<b>X</b>	<b>X</b>	<b>P XX X</b>	<b>X</b>	<b>X</b>
J - T/C	0 - 6"+18" FLEX	1 - 3.33mV/V	1.5	M - Psi x1000	S - 6PIN BAYONET
K - T/C	1 - 12"+18" FLEX	2 - 2.5mV/V	3	B - BAR x100	8 - 8PIN SCREW
P - Pt100	3 - 6"+30" FLEX		5	P - Mpa	B - BC WIRING
	4 - 12"+30" FLEX		7.5		G - 6PIN SCREW
			10		I - INCONEL TIP & THREAD
			15		H - HASTELLOY
			20		3 - TRIPLE WEAR TIP

## STOCK LIST - MPX

PART#	PRESS (psi)	OUTPUT
MPJ01-P3MxS	3,000	3.33mV/V
MPJ01-P5MxS	5,000	3.33mV/V
MPJ01-P7.5MxS	7,500	3.33mV/V
MPJ01-P10MxS	10,000	3.33mV/V
MPJ01-P15MxS	15,000	3.33mV/V
MPJ01-P20MxS	20,000	3.33mV/V

X - SPECIFY CONNECTOR