

MP100 SERIES



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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 MP100/200

- * Fluid filled system
- * 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 0-20,000psi
- * Standard Diaphragm INCONEL

MP200 SERIES



MP200 SERIES

SAME AS MP100 PLUS:

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

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 Diamond Particulate
- * Accuracy 0.25%

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 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
+/-0.5% Of Full Scale (Opt 0.25%)

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

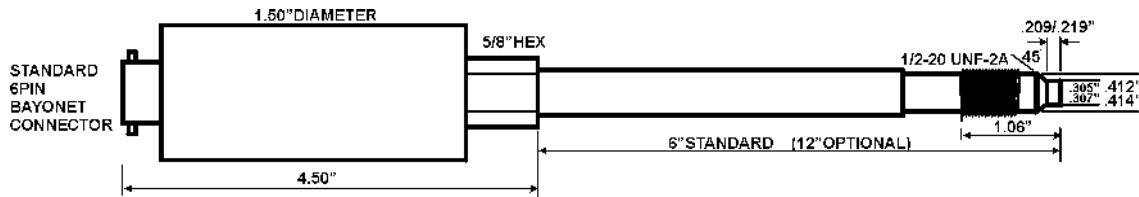
INTERNAL SHUNT CALIBRATION
80%+/-0.5% Of Full Scale

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

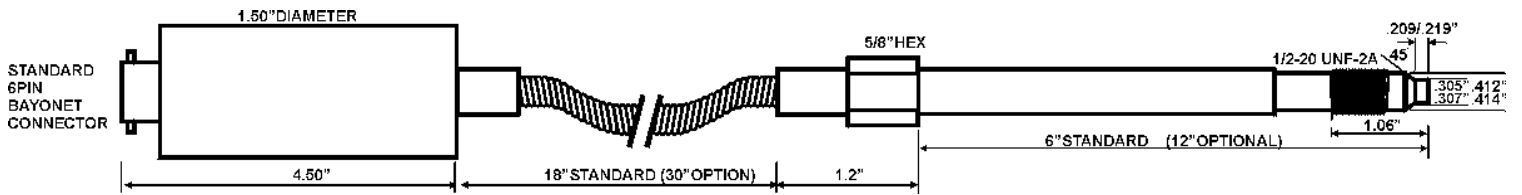
MP1	X	X	P XX X	X	X	X
0 - 6"	1 - 3.33mV/V	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL	- - ACCURACY 0.5%
1 - 12"	2 - 2.5mV/V	3	B - BAR x100	8 - 8PIN SCREW	D - DIAMOND PARTICULATE	A - ACCURACY 0.25%
		5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE	
		7.5		G - 6PIN SCREW	I - INCONEL TIP & THREADS	
		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

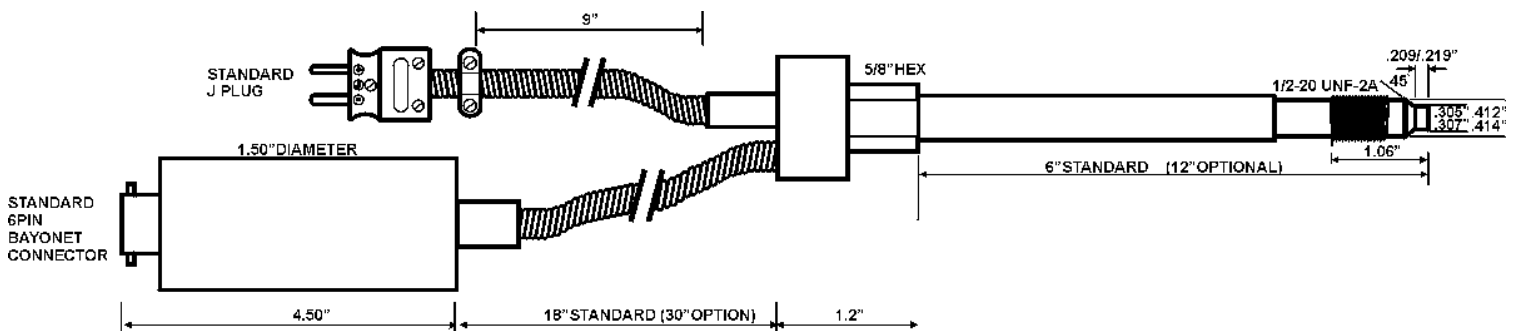
MP2	X	X	P XX X	X	X	X
0 - 6"+18" FLEX	1 - 3.33mV/V	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL	- - ACCURACY 0.5%
1 - 12"+18" FLEX	2 - 2.5mV/V	3	B - BAR x100	8 - 8PIN SCREW	D - DIAMOND PARTICULATE	A - ACCURACY 0.25%
3 - 6"+30" FLEX		5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE	
4 - 12"+30" 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

MPX	X	X	P XX X	X	X	X
J - T/C	0 - 6"+18" FLEX	1 - 3.33mV/V	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL
K - T/C	1 - 12"+18" FLEX	2 - 2.5mV/V	3	B - BAR x100	8 - 8PIN SCREW	D - DIAMOND PARTICULATE
P - P1100	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 & THREAD
			10			H - HASTELLOY
			15			3 - TRIPLE WEAR TIP
			20			

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