

## MT100 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.

## MT200 SERIES



### MT200 SERIES

SAME AS MT100 PLUS:

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

## MTX SERIES



### MTX SERIES

SAME AS MT200 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 MT100/200

- \* Fluid filled system
- \* **OUTPUT OPTIONS**  
4-20mA  
0-5VDC 0-10VDC
- \* **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 MT100/200

- \* **CONNECTOR OPTIONS**  
8pin 6pin-CANNON
- \* **12" STEM**
- \* **30" Flex Hose (MP200)**
- \* **OPTIONAL DIAPHRAGMS**  
Titanium Nitride  
Hastelloy  
Extra Long Life Triple-Tip

### FEATURES MTX

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

### OPTIONS MTX

- \* 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 ADJUSTMENT**  
+/-15% FULL SCALE

**SPAN ADJUSTMENT**  
+/-15% FULL SCALE

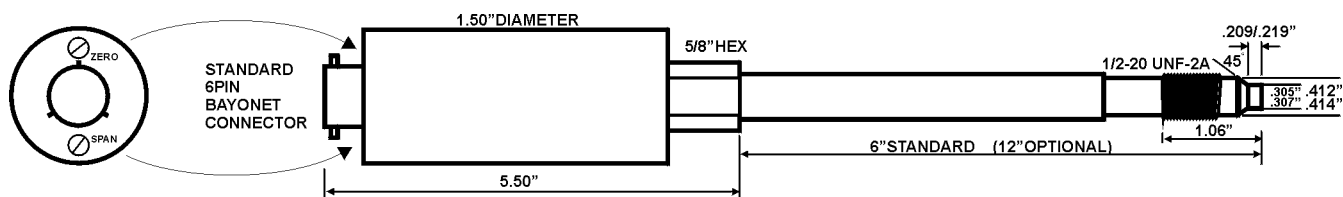
**OUTPUT 4-20mA, 2 WIRE**  
EXCITATION 14-36VDC  
LOAD RESISTANCE 0-1,100ohm

**OUTPUT 0-5VDC**  
EXCITATION 11-36VDC  
LOAD RESISTANCE 2,000 MIN

**OUTPUT 0-10VDC**  
EXCITATION 14-36VDC  
LOAD RESISTANCE 2,000 MIN

# MT100 - RIGID STEM

# MELT PRESSURE

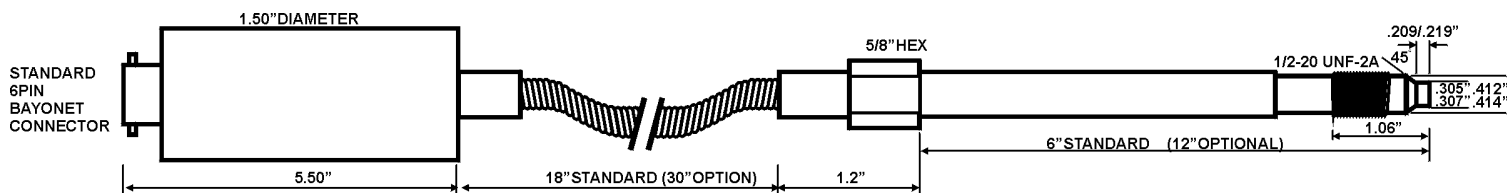


ORDER CODE					
MT1	X	X	P XX X	X	X
0 - 6"	4 - 4-20mA	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL
1 - 12"	5 - 0-5VDC	3	B - BAR x100	8 - 8PIN SCREW	C - CHROMIUM NITRIDE
	6 - 1-5VDC	5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE
	7 - 0-10VDC	7.5		I - INCONEL TIP & THREADS	H - HASTELLOY
		10		G - 6PIN SCREW	3 - TRIPLE WEAR TIP
		15			
		20			

STOCK LIST - MT100		
PART#	PRESS (psi)	OUTPUT
MT10x-P3MxS	3,000	Specify
MT10x-P5MxS	5,000	Specify
MT10x-P7.5MxS	7,500	Specify
MT10x-P10MxS	10,000	Specify
MT10x-P15MxS	15,000	Specify

X - SPECIFY CONNECTOR & OUTPUT

# MT200 - RIGID STEM + FLEX

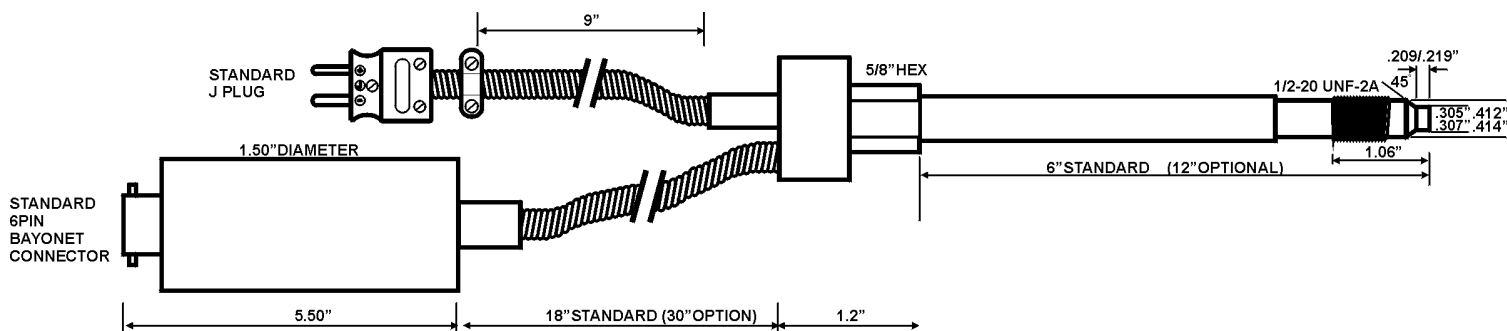


ORDER CODE					
MT2	X	X	P XX X	X	X
0 - 6"+18" FLEX	4 - 4-20mA	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL
1 - 12"+18" FLEX	5 - 0-5VDC	3	B - BAR x100	8 - 8PIN SCREW	C - CHROMIUM NITRIDE
3 - 6"+30" FLEX	6 - 1-5VDC	5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE
4 - 12"+30" FLEX	7 - 0-10VDC	7.5		I - INCONEL TIP & THREAD	H - HAST TIP&THREAD
		10		G - 6PIN SCREW	3 - TRIPLE WEAR TIP
		15			
		20			

STOCK LIST - MT200		
PART#	PRESS (psi)	OUTPUT
MT20x-P3MxS	3,000	Specify
MT20x-P5MxS	5,000	Specify
MT20x-P7.5MxS	7,500	Specify
MT20x-P10MxS	10,000	Specify
MT20x-P15MxS	15,000	Specify

X - SPECIFY CONNECTOR & OUTPUT

# MTX - PRESSURE + TEMPERATURE



ORDER CODE					
MTX	X	X	P XX X	X	X
J - T/C	0 - 6"+18" FLEX	4 - 4-20mA	1.5	M - Psi x1000	S - 6PIN BAYONET
K - T/C	1 - 12"+18" FLEX	5 - 0-5VDC	3	B - BAR x100	8 - 8PIN SCREW
P - Pt100	3 - 6"+30" FLEX	6 - 1-5VDC	5	P - Mpa	B - BC WIRING
	4 - 12"+30" FLEX	7 - 0-10VDC	7.5		G - 6PIN SCREW
			10		I - INCONEL TIP & THREAD
			15		H - HAST TIP&THREAD
			20		3 - TRIPLE WEAR TIP

STOCK LIST - MPX		
PART#	PRESS (psi)	OUTPUT
MTJ0x-P3MxS	3,000	Specify
MTJ0x-P5MxS	5,000	Specify
MTJ0x-P7.5MxS	7,500	Specify
MTJ0x-P10MxS	10,000	Specify
MTJ0x-P15MxS	15,000	Specify

X - SPECIFY CONNECTOR & OUTPUT