

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)
- * 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

OPTIONS MT100/200

- * **CONNECTOR OPTIONS**
8pin 6pin-CANNON
- * 12" STEM
- * 30" Flex Hose (MP200)
- * **OPTIONAL DIAPHRAGMS**
Titanium Nitride Hastelloy
Diamond-Particulate
Extra Long Life Triple-Tip
Accuracy - 0.25%

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
+/-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 ADJUSTMENT
+/-15% FULL SCALE

SPAN ADJUSTMENT
+/-15% FULL SCALE

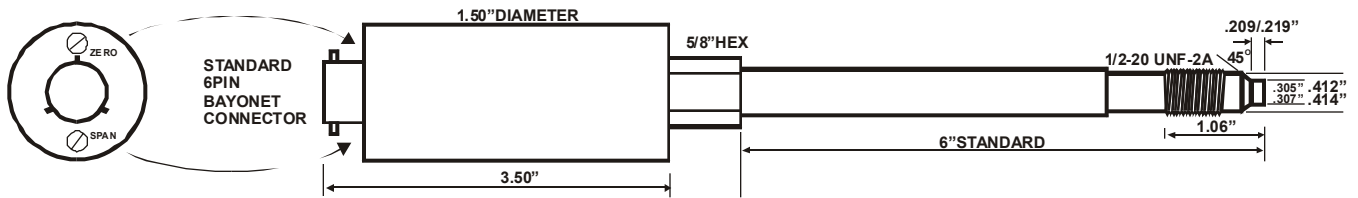
OUTPUT 4-2mA, 2 WIRE
EXCITATION 14-36VDC
LOAD RESISTANCE 0-1,100ohm

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

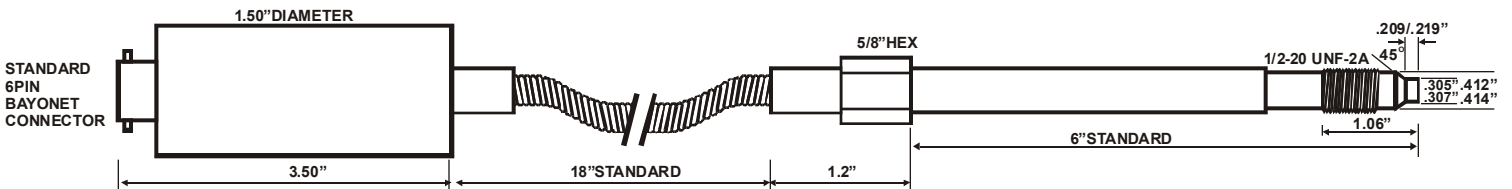
MT1	X	X	P XX X	X	X	X
0 - 6"	4 - 4-20mA	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL	- - ACCURACY 0.5%
1 - 12"	5 - 0-5VDC	3	B - BAR x100	8 - 8PIN SCREW	D - DIAMOND PARTICULATE	A - ACCURACY 0.25%
	6 - 1-5VDC	5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE	
	7 - 0-10VDC	7.5		G - 6PIN SCREW	I - INCONEL TIP & THREAD	
		10			H - HASTELLOY	
		15			3 - TRIPLE WEAR TIP	
		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

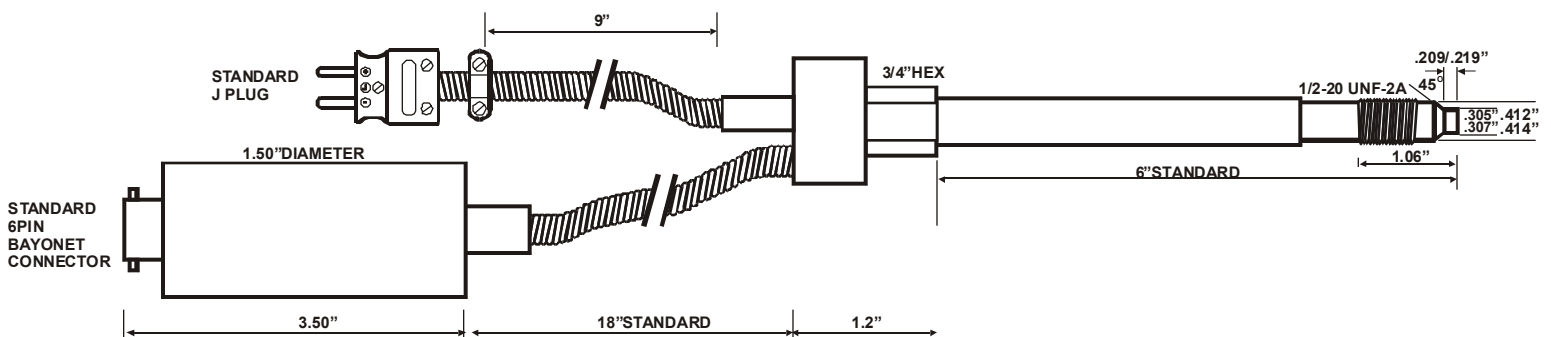
MT2	X	X	P XX X	X	X	X
0 - 6"+18" FLEX	4 - 4-20mA	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL	- - ACCURACY 0.5%
1 - 12"+18" FLEX	5 - 0-5VDC	3	B - BAR x100	8 - 8PIN SCREW	D - DIAMOND PARTICULATE	A - ACCURACY 0.25%
3 - 6"+30" FLEX	6 - 1-5VDC	5	P - Mpa	B - BC WIRING	T - TITANIUM NITRIDE	
4 - 12"+30" FLEX	7 - 0-10VDC	7.5		G - 6PIN SCREW	I - INCONEL TIP & THREAD	
		10			H - HAST TIP&THREAD	
		15			3 - TRIPLE WEAR TIP	
		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	X
J - T/C	0 - 6"+18" FLEX	4 - 4-20mA	1.5	M - Psi x1000	S - 6PIN BAYONET	S - STANDARD INCONEL
K - T/C	1 - 12"+18" FLEX	5 - 0-5VDC	3	B - BAR x100	8 - 8PIN SCREW	D - DIAMOND PARTICULATE
P - Pt100	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		G - 6PIN SCREW	I - INCONEL TIP & THREAD
			10			H - HAST TIP&THREAD
			15			3 - TRIPLE WEAR TIP
			20			

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