MR100 SERIES

MR100 SERIES

The diaphragm transmits pressure through the PUSHROD. The electronic temperature compensation circuit ensures high temperature stable pressure readings. Four active arm wheatstone bridge strain gage ensures high accuracy.
The rigid stem makes installation fast and easy.

FEATURES MR100/200

NO LIQUID FILL
Standard 3.33mV/V
6pin Bayonet Connector
6"Stem
18"Flex Hose (MR200)
1% combined error
80% Output Calibration
Interchangeable with all Competitor's models
1000°F (540°C) Rating
Ranges from 0-5000 to 0-10,000psi
Standard Inconel Diaphragm

MR200 SERIES

MR200 SERIES

SAME AS MR100 plus:

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

The transition from rigid stem to flexible capillary must be maintained below **247°F (120°C)**.

OPTIONS MR100/200

OUTPUT OPTIONS
2.5mV/V 4-20mA
0-5VDC 0-10VDC
CONNECTOR OPTIONS
8pin 6pin-CANNON
12"STEM
30"Flex Hose (MR200)
OPTIONAL DIAPHRAGMS
Hastelloy
Titanium Nitride
Inconel Tip + Threads

MRX SERIES

MRX SERIES

SAME AS MR200 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 MRX

same as MR200 Plus
Thermocouple J
Field replaceable

OPTIONS MRX

same as MR200 Plus
Temperature Sensors
Thermocouple K
Pt100 RTD sensor

SPECIFICATIONS

MECHANICAL

Ranges:	0-5000 to 0-10,000psi
Max Error:	1% of Full Scale
Repeatability:	+/-0.2%
Overload Capab:	2x Full Scale
Mount Torque:	150in-500 in-lbs

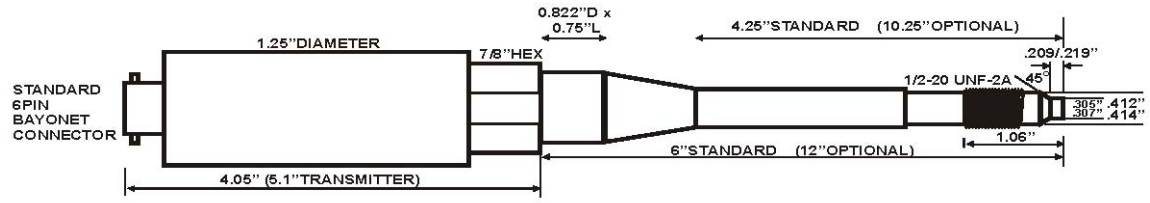
TEMPERATURE

Max Diaph. Temp:	1000°F(550°C)
Zero Shift of Diaph.:	15psi/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 3mV/V(7-12V recommend10V)
0-10V(14-36V) 0-5V(11-36V)
4-20mA(14-36V)

MR100 PUSHROD - RIGID STEM



ORDER CODE

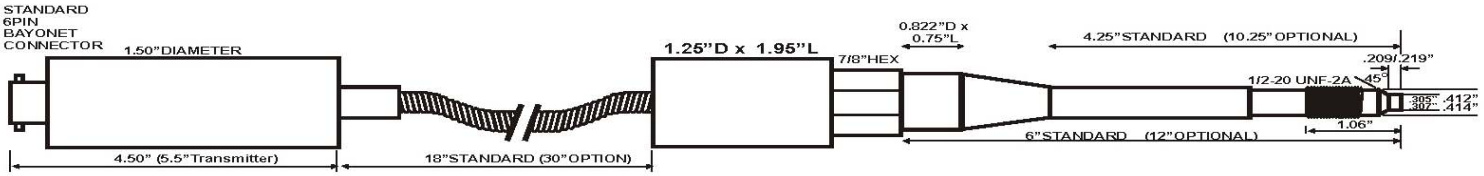
MR1 X X - P XX X X X X

0 - 6"stem	**1** - 3.3mV/V	**5**	**M** - Psi x 1000	**S** - 6pin Bayonet	**S** - Standard Inconel	**-** - 1/2"-20UNF
8 - 8"stem	**2** - 2.5mV/V	**10**	**B** - Bar x 100	**G** - 6pin Screw	**C** - Chromium Nitride	**M18** - M18x1.5
9 - 9"stem	**4** - 4-20mA		**P** - MPa	**8** - 8pin Screw	**T** - Titanium Nitride	**M10** - M10x1.0
1 - 12"stem	**5** - 0-5VDC				**I** - Inconel Tip + Threads	**.25** - 0.25% Accuracy
	6 - 1-5VDC				**H** - Hastelloy	
	7 - 0-10VDC				**D** - Diamond Particulite	

STOCK LIST

PSI	STEM
5000	6"
10,000	6"

MR200 PUSHROD - RIGID STEM + FLEX



ORDER CODE

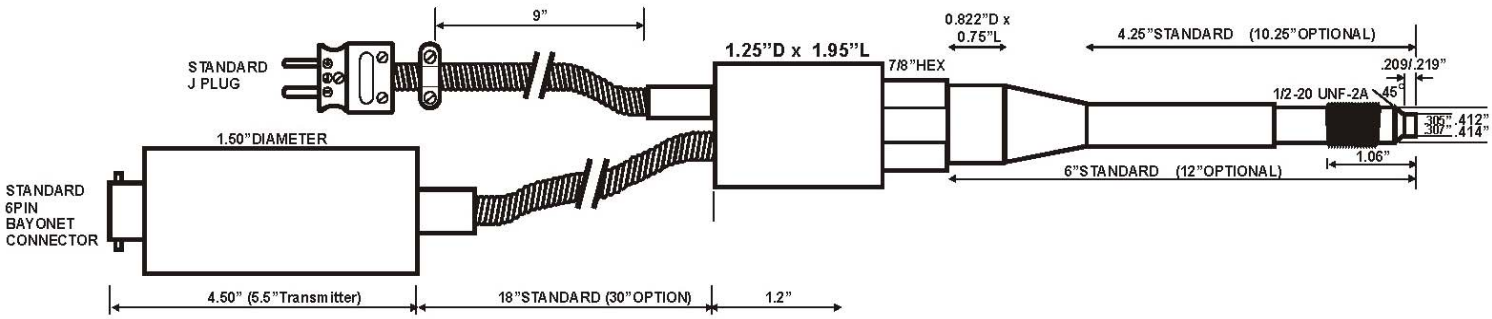
MR2 X X - P XX X X X X

0 - 6"stem+18"Flex	**1** - 3.3mV/V	**5**	**M** - Psi x 1000	**S** - 6pin Bayonet	**S** - Standard Inconel	**-** - 1/2"-20UNF
1 - 12"stem+18"Flex	**2** - 2.5mV/V	**10**	**B** - Bar x 100	**G** - 6pin Screw	**C** - Chromium Nitride	**M18** - M18x1.5
3 - 6"stem+30"Flex	**4** - 4-20mA		**P** - MPa	**8** - 8pin Screw	**T** - Titanium Nitride	**M10** - M10x1.0
4 - 12"stem+30"Flex	**5** - 0-5VDC				**I** - Inconel Tip + Threads	**.25** - 0.25% Accuracy
8 - 8"stem+18"Flex	**6** - 1-5VDC				**H** - Hastelloy	
9 - 9"stem+18"Flex	**7** - 0-10VDC				**D** - Diamond Particulite	

STOCK LIST

PSI	STEM + FLEX
5000	6"+18"
10,000	6"+18"

MRX PUSHROD - PRESSURE + TEMPERATURE



ORDER CODE

MR X X X - P XX X X X X

J - T/c J	**0** - 6"stem+18"Flex	**1** - 3.3mV/V	**5**	**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	**10**	**B** - Bar x 100	**G** - 6pin Screw	**C** - Chromium Nitride	**M18** - M18x1.5
P - PT100	**3** - 6"stem+30"Flex	**4** - 4-20mA		**P** - MPa	**8** - 8pin Screw	**T** - Titanium Nitride	**M10** - M10x1.0
	4 - 12"stem+30"Flex	**5** - 0-5VDC				**I** - Inconel Tip + Threads	**.25** - 0.25% Accuracy
	8 - 8"stem+18"Flex	**6** - 1-5VDC				**H** - Hastelloy	
	9 - 9"stem+18"Flex	**7** - 0-10VDC				**D** - Diamond Particulite	

STOCK LIST

PSI	STEM + FLEX
5000	6"+18"
10,000	6"+18"