

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.

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
 0-1000 to 0-30,000psi
 Standard Inconel Diaphragm

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
 Titanium Nitride
 Inconel Tip + Threads

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

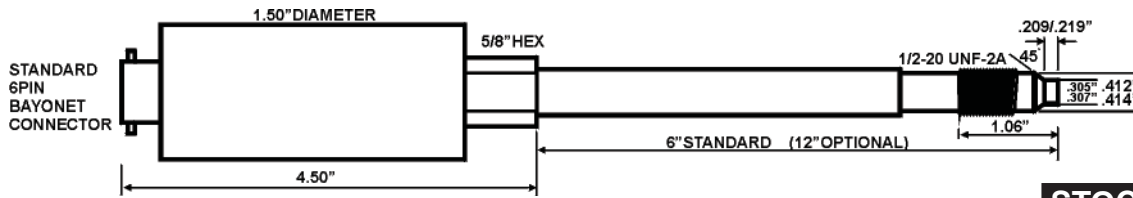
Ranges: 0-1000 to 0-30,000psi
 Max Error: 0.5% of Full Scale
 Repeatability: +/-0.2%
 Overload Capab: 2x Full Scale
 Mount Torque: 150in-500 in-lbs

TEMPERATURE

Max Diaph. Temp: 750°F(400°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
 Excitation: 2.5 or 3mV/V(7-12V recommend10V)



ORDER CODE

MP1 X
 0 - 6"stem
 8 - 8"stem
 9 - 9"stem
 1 - 12"stem

X - PXX
 1 - 3.3mV/V
 2 - 2.5mV/V
 3
 5
 7.5 15
 10 20

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

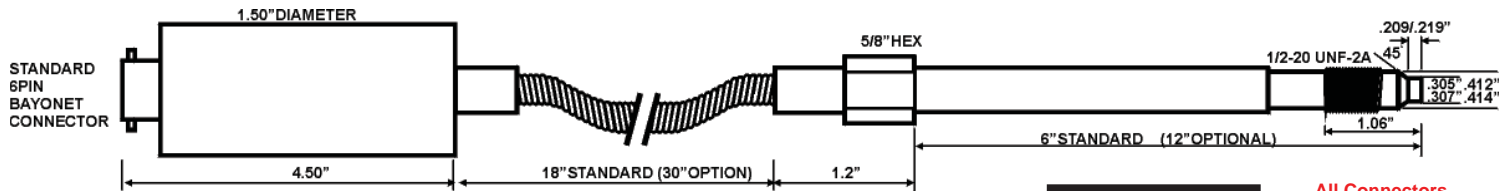
X
 - - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy

STOCK LIST

All Connectors
3.3mV/V, Inconel Tip

PSI	STEM
1000	6"
1500	6"
3000	6", 12"
5000	6", 9", 12"
7500	6", 12"
10,000	6", 9", 12"
15,000	6"
20,000	6"

MP200 TRANSDUCER - RIGID STEM + FLEX



ORDER CODE

MP2 X
 0 - 6"stem+18"Flex
 1 - 12"stem+18"Flex
 3 - 6"stem+30"Flex
 4 - 12"stem+30"Flex
 8 - 8"stem+18"Flex
 9 - 9"stem+18"Flex

X - PXX
 1 - 3.3mV/V
 2 - 2.5mV/V
 3
 5
 7.5 15
 10 20

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

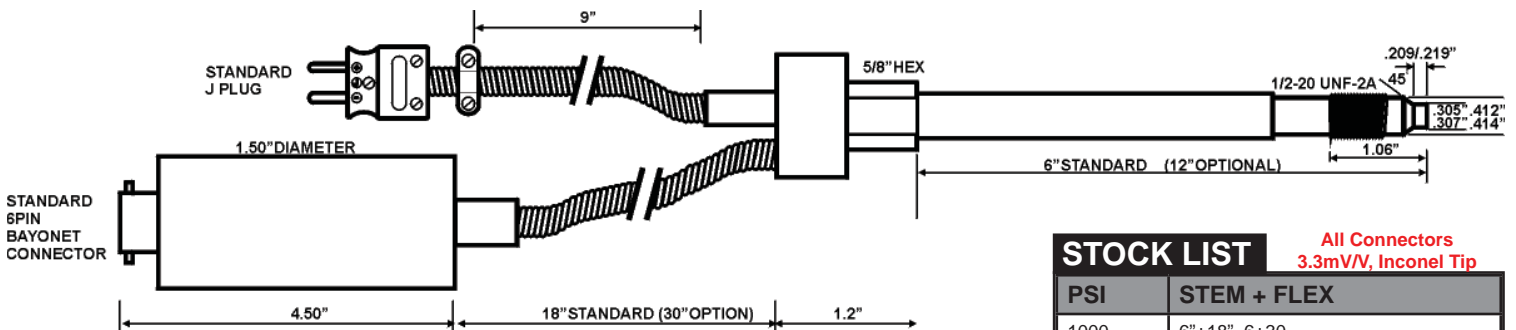
X
 - - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy

STOCK LIST

All Connectors
3.3mV/V, Inconel Tip

PSI	STEM + FLEX
1000	6"+18"
1500	6"+18", 12+18
3000	6"+18", 12+18
5000	6"+18", 9"+18, 12+18, 6+30, 12+30
7500	6"+18"
10,000	6"+18", 9"+18, 12+18, 6+30, 12+30
15,000	6"+18"
20,000	6"+18"

MPX TRANSDUCER - PRESSURE + TEMPERATURE



ORDER CODE

MPX
 J - T/c J
 K - T/c K
 P - PT100

X
 0 - 6"stem+18"Flex
 1 - 12"stem+18"Flex
 3 - 6"stem+30"Flex
 4 - 12"stem+30"Flex
 8 - 8"stem+18"Flex
 9 - 9"stem+18"Flex

X - PXX
 1 - 3.3mV/V
 2 - 2.5mV/V
 3
 5
 7.5 15
 10 20

X
 M - Psi x 1000
 B - Bar x 100
 P - MPa

X
 S - 6pin Bayonet
 G - 6pin Screw
 8 - 8pin Screw

X
 S - Standard Inconel
 C - Chromium Nitride
 T - Titanium Nitride
 I - Inconel Tip + Threads
 H - Hastelloy
 D - Diamond Particulate

X
 - - 1/2"-20UNF
 M18 - M18x1.5
 M10 - M10x1.0
 .25 - 0.25% Accuracy

STOCK LIST

All Connectors
3.3mV/V, Inconel Tip

PSI	STEM + FLEX
1000	6"+18", 6+30
1500	6"+18", 12+18, 6+30
3000	6"+18", 12+18, 12+30
5000	6"+18", 9"+18, 12+18, 6+30, 12+30
7500	6"+18"
10,000	6"+18", 9"+18, 12+18, 6+30, 12+30
15,000	6"+18"
20,000	6"+18"