

MELT PRESSURE TRANSDUCERS

MP100 SERIES



750°F (400°C)

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
0-300 to 0-30,000psi
Standard Inconel Diaphragm

MP200 SERIES



750°F (400°C)

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
3,4,9,12,18" STEM
24,30 or 60" Flex Hose (MP200)
OPTIONAL DIAPHRAGMS
Hastelloy
Titanium Nitride
Inconel Tip + Threads
Option "E" - Epoxy filled can
Option "W" - Tig Welded Can with Epoxy Fill

MPX SERIES



750°F (400°C)

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: 0-300 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

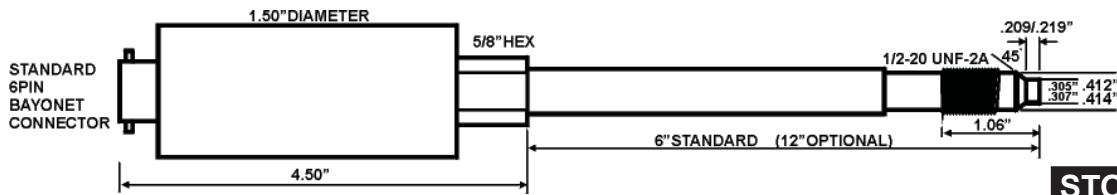
TEMPERATURE

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 3.3mV/V(7-12V recommend10V)

MP100 TRANSDUCER - RIGID STEM



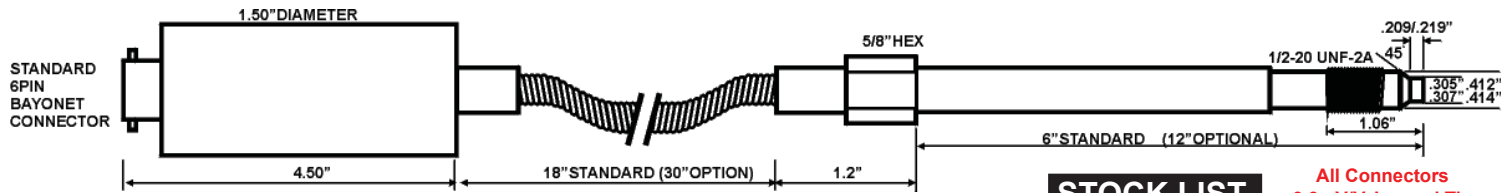
ORDER CODE

- MP1 X**
- 0 - 6"stem
 - 8 - 8"stem
 - 9 - 9"stem
 - 1 - 12"stem
- X - P XX**
- 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
 - K - kg/cm2
- X**
- S - 6pin Bayonet
 - G - 6pin Screw
 - 8 - 8pin Screw
 - N - 1/2"NPT+ 36"Teflon
- 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
 - E - Epoxy Fill
 - W - Tig Welded Can with Epoxy Fill

STOCK LIST	
PSI	STEM
500, 750	6"
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"

All Connectors
3.3mV/V, Inconel Tip

MP200 TRANSDUCER - RIGID STEM + FLEX



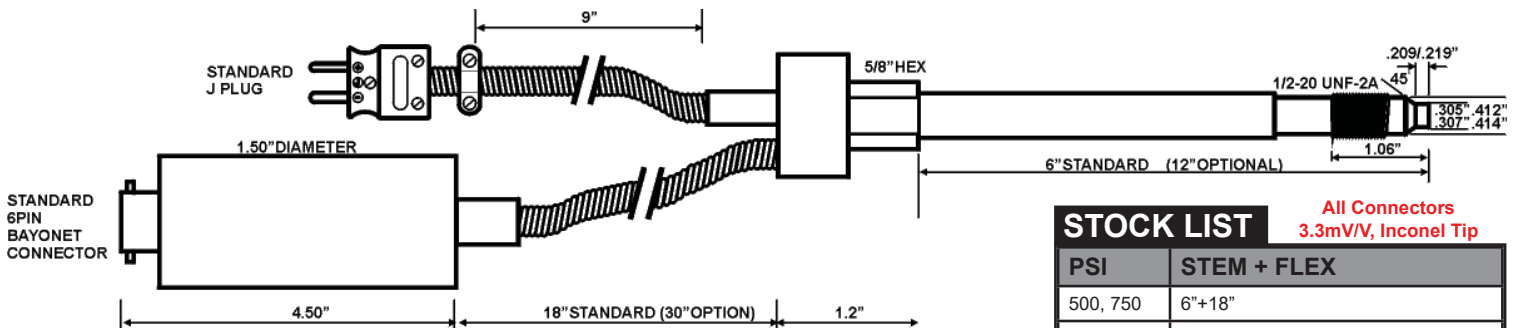
ORDER CODE

- 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 - P XX**
- 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
 - K - kg/cm2
- X**
- S - 6pin Bayonet
 - G - 6pin Screw
 - 8 - 8pin Screw
 - N - 1/2"NPT+ 36"Teflon
- 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
 - E - Epoxy Fill
 - W - Tig Welded Can with Epoxy Fill

STOCK LIST	
PSI	STEM + FLEX
500, 750	6"+18"
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"

All Connectors
3.3mV/V, Inconel Tip

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 - P XX**
- 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
 - K - kg/cm2
- X**
- S - 6pin Bayonet
 - G - 6pin Screw
 - 8 - 8pin Screw
 - N - 1/2"NPT+ 36"Teflon
- 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
 - E - Epoxy Fill
 - W - Tig Welded Can with Epoxy Fill

STOCK LIST	
PSI	STEM + FLEX
500, 750	6"+18"
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"

All Connectors
3.3mV/V, Inconel Tip