

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 0-300 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
 - 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



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

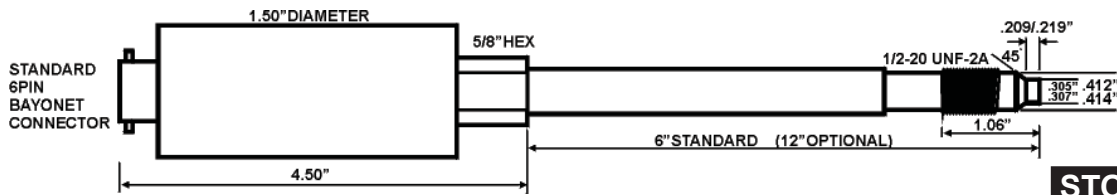
- Ranges: 0-300 to 0-30,000psi
- Max Error: 0.5% of Full Scale
- Repeatability: +/-0.2%
- Overload Capab: 2x Full Scale
- Mount Torque: 150in-500 in-lbs

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)



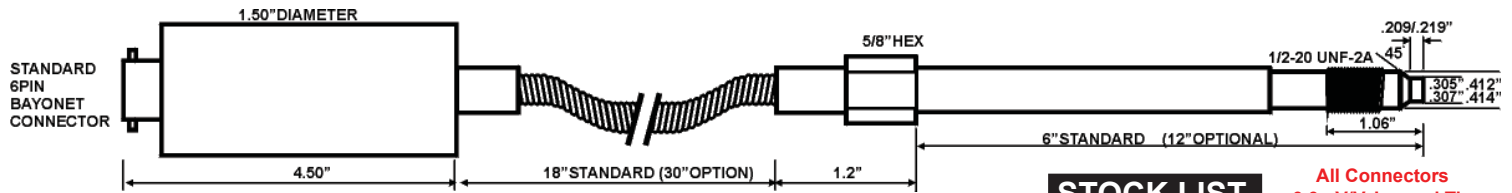
ORDER CODE

- 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



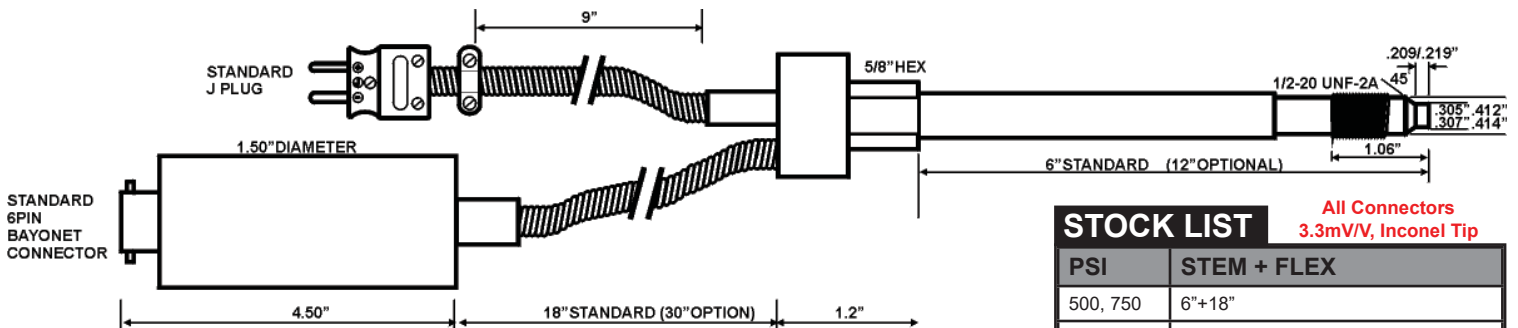
ORDER CODE

- 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