

MP100 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.

MP200 SERIES



MP200 SERIES

SAME AS MP100 PLUS:

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

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 MP100/200

- * Fluid filled system
- * Standard 3.33mV/V
- * 6pin Bayonet Connector
- * 6" Stem
- * 18" Flex Hose (MP200)
- * 1% 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 MP100/200

- * OUTPUT OPTION 2.5mV/V
- * CONNECTOR OPTIONS 8pin 6pin-SCREW
- * 12" STEM
- * 30" Flex Hose (MP200)
- * OPTIONAL DIAPHRAGMS Hastelloy Extra Long Life Triple-Tip

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
0-500, 750, 1000, 1500, 3000, 5000, 7500, 10000, 15000, 20000psi
MAX ERROR
+/-1% Of Full Scale
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

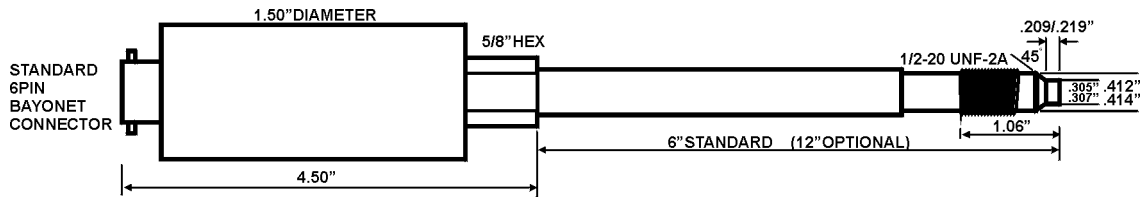
ELECTRICAL

MEASURING SENSOR
Wheatstone Bridge
Strain Gauge
ELEMENT RESISTANCE
350ohm +/-1% Of Full Scale
INTERNAL SHUNT CALIBRATION
80% +/-0.5% Of Full Scale
ZERO BALANCE
+/-10% FULL SCALE

OUTPUT 3.33mV/V or 2.5mV/V
EXCITATION 7-12VDC
RECOMMENDED - 10VDC

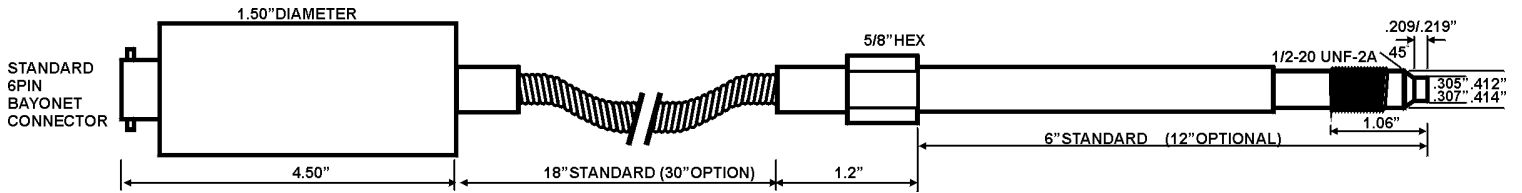
MP100 - RIGID STEM

MELT PRESSURE



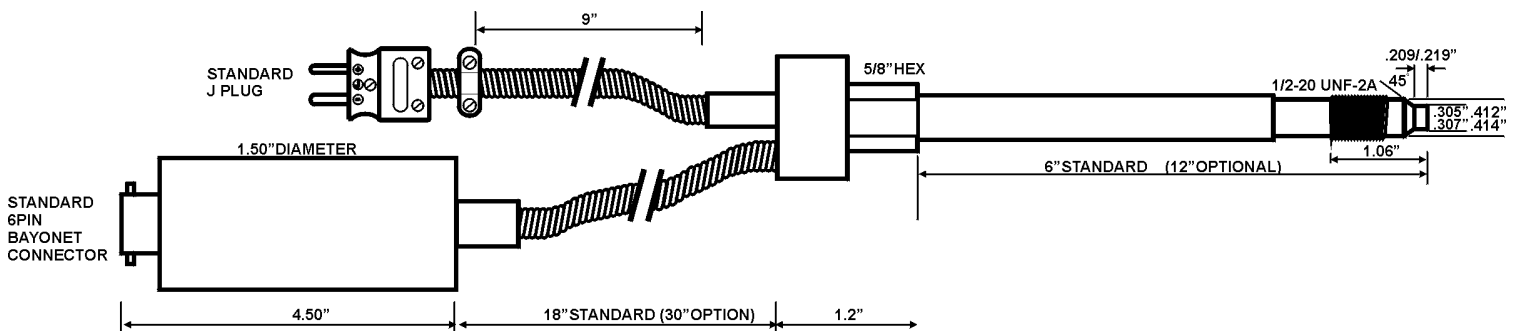
ORDER CODE

MP200 - RIGID STEM + FLEX



ORDER CODE

MPX - PRESSURE + TEMPERATURE



ORDER CODE