

## MF100 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.

### FEATURES MF100/200

- MERCURY FREE FILL**
- Standard 3.33mV/V
- 6pin Bayonet Connector
- 6" Stem
- 18" Flex Hose (MF200)
- 0.5% combined error
- 80% Output Calibration
- Interchangeable with all Competitor's models
- 660°F (350°C) Rating
- Ranges from 0-300 to 0-30,000psi
- Standard Inconel Diaphragm

## MF200 SERIES



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SAME AS MF100 PLUS:

Flexible capillary with stainless armour coating. This provides further thermal isolation and installation flexibility.

### OPTIONS MF100/200

- OUTPUT OPTIONS**
- 2.5mV/V 4-20mA
- 0-5VDC 0-10VDC
- CONNECTOR OPTIONS**
- 8pin 6pin-CANNON
- 3,4,9,12,18"STEM
- 24,30 or 60" Flex Hose (MF200)
- OPTIONAL DIAPHRAGMS**
- Hastelloy
- Titanium Nitride
- Inconel Tip + Thread
- Option "E" - Epoxy filled can
- Option "W" - Tig Welded Can with Epoxy Fill
- SIL2 - Remote+Local Zero (4-20mA)

## MFX SERIES



### MFX SERIES

SAME AS MF200 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 MFX

- same as MF200 Plus
- Thermocouple J
- Field replaceable

### OPTIONS MFX

- same as MF200 Plus
- Temperature Sensors
- Thermocouple K
- Pt100 RTD sensor
- SIL2 - Remote+Local Zero (4-20mA)

## 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: 660°F(350°C)
- Zero Shift of Diaph.: 30psi/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 3.3mV/V(7-12V recommend10V)
- 0-10V(14-36V) 0-5V(11-36V)
- 4-20mA(14-36V)

