

MF100 SERIES



MF100 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 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



MF200 SERIES

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)

SIL2 - 4-20mA c/w Remote + Local Zero

(available on Models : MT, MK, MF, MN)

LOCAL ZERO - ZERO POT



4-20mA c/w SIL2 option

SIL2 Transmitters have the added feature compared to standard Transmitters as they can be rezeroed in two ways; remotely via PLC by shorting the RZERO (F-Orange) and the RCAL (D-Green), or manually via the zero potentiometer.

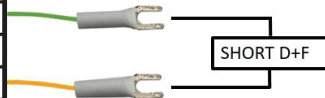
SIL2 feature is available as an add-on for the following models: MT, MK, MF, MN

Transmitters are SIL2(Safety Integrity Level 2) compatible

REMOTE ZERO - CONTACT CLOSURE

4-20mA (SIL2 Option)

PIN	4-20mA (2wire)
A (red)	SIGNAL (+)
B (black)	SIGNAL (-)
C (white)	n/a
D (green)	REZERO (+)
E (blue)	RCAL (+)
F (orange)	REZERO(-) / RCAL(-)



STANDARD FEATURES

- 0.5% / 0.25% Accuracy
- 4-20mA Output
- 0-500 to 0-20000psi Ranges
- 80% Shiunt Calibration
- SIL2 - Safety Integrity Level 2 - Compatibility

PUSHBUTTON - 4-20mA c/w Local Zero

(available on Models : MT, MK, MF, MN)

LOCAL ZERO - PUSHBUTTON



4-20mA c/w PUSHBUTTON option

PUSHBUTTON Transmitters have the added feature compared to standard Transmitters as they can be rezeroed locally via the pushbutton.

PUSHBUTTON feature is available as an add-on for the following models: MT, MK, MF, MN

PUSHBUTTON WIRING

4-20mA (PUSHBUTTON)

PIN	4-20mA (2wire)
A (red)	SIGNAL (+)
B (black)	SIGNAL (-)
C (white)	n/a
D (green)	PUSHBUTTON
E (blue)	RCAL (+)
F (orange)	RCAL(-)

STANDARD FEATURES

- 0.5% / 0.25% Accuracy
- 4-20mA Output
- 0-500 to 0-20000psi Ranges
- 80% Shiunt Calibration