

## MT100 SERIES



750°F (400°C)

### MT100 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 MT100/200

Fluid filled system  
**OUTPUT OPTIONS**  
 4-20mA  
 0-5VDC 0-10VDC  
 6pin Bayonet Connector  
 6" Stem  
 18" Flex Hose (MT200)  
 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

## MT200 SERIES



750°F (400°C)

### MT200 SERIES

SAME AS MT100 PLUS:

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

### OPTIONS MT100/200

**CONNECTOR OPTIONS**  
 8pin 6pin-CANNON  
 3,4,9,12,18" STEM  
 24,30 or 60" Flex Hose (MT200)  
**OPTIONAL DIAPHRAGMS**  
 Titanium Nitride  
 Hastelloy  
 Inconel Tip + Thread  
 Option "E" - Epoxy filled can  
 Option "W" - Tig Welded Can with Epoxy Fill  
 SIL2 - Remote+Local Zero (4-20mA)

## MTX SERIES



750°F (400°C)

### MTX SERIES

SAME AS MT200 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 MTX

same as MT200 Plus  
 Thermocouple J  
 Field replaceable

### OPTIONS MTX

same as MT200 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: 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  
 Zero&Span Adjust(0-5/10V or 4-20mA): +/-0.15% FS  
 Excitation: 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.

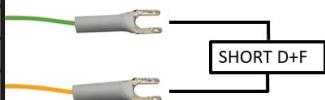
SIL2 feature is available as an add-on for the following models: MT, MK, MF, MN

Transmitters are SIL2(Safety Integrity Level 2) compatible

**REMOTE ZERO - CONTACT CLOSURE**

**4-20mA (SIL2 Option)**

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

**STANDARD FEATURES**

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