The Mercoid® Series 3100MP Multiplanar Smart Pressure Transmitter is a microprocessor-based high performance transmitter, which has flexible pressure calibration, push button configuration, and programmable using HART® Communication. The multiplanar design simplifies installation, saving operator time and money during set up. The 3100MP can be installed vertically without adapters or brackets regardless of the process connection orientation. The multiplanar footprint fits standard manifold valves and averaging flow sensors. The Series 3100MP is capable of being configured for differential pressure or level applications with the zero and span buttons. A field calibrator is not required for configuration. The transmitter software compensates for thermal effects, improving performance. EEPROM stores configuration settings and stores sensor correction coefficients in the event of shutdowns or power loss. The Series 3100MP is FM approved for use in hazardous (classified) locations. The 100:1 rangeability allows the smart transmitter to be configured to fit any application.

**FEATURES**
- Completely configurable using zero/span button (no calibrator required)
- Rangeability (100:1)
- Multiplanar
- Fits standard manifold valves
- Automatic sensor temperature compensation
- Easy installation

**APPLICATIONS**
- Flow measurement
- Critical process monitoring
- Filter or pump differential pressure
- Critical process monitoring

**SPECIFICATIONS**
- **Service:** Compatible gases, steam, liquids or vapors.
- **Wetted Materials:** 316L SS.
- **Accuracy:** ±0.075% FS (@ 20°C).
- **Rangeability:** 100:1 turn down.
- **Stability:** ±0.125% FSO/yr.
- **Temperature Limits:**
  - Process: -40 to 248°F (-40 to 120°C);
  - Ambient: Without LCD: -40 to 185°F (-40 to 85°C);
  - With LCD: -22 to 176°F (-30 to 80°C).
- **Pressure Limits:** Max. pressure: Range: -14.5 to 2000 psi; Burst pressure: 10000 psi.
- **Thermal Effect:** ±0.125% span/32°C.
- **Power Requirements:** 11.9 to 45 VDC.
- **Output Signal:** 4 to 20 mA /HART® Communication.
- **Response Time:** 0.12 s.
- **Damping Time:** 0.25 to 60 s.
- **Loop Resistance:** Operation: 0 to 1500 Ω; HART® Communication: 250 to 500 Ω.
- **Electrical Connection:** Two 1/2˝ female NPT conduit, screw terminal.
- **Display:** Optional 5 digit LCD.
- **Enclosure Rating:** NEMA 4X (IP66) and explosion-proof for Class I, Div I, Groups A, B, C and D.
- **Weight:** 8.6 lb (3.9 kg).
- **Agency Approvals:** CE, FM.

**Consult factory for custom calibration.**

**ACCESSORIES**
- A-630, Stainless steel angle type bracket with SS bolts ............ $75.00
- A-631, Stainless steel flat type bracket with SS bolts ............ $75.00
- BBV-1F, Flanged 3-valve block manifold ............................... $150.00
- BBV-22F, Flanged 5-valve block manifold ............................ $225.00

© Items are subject to Schedule B discounts.