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 adaptors 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 shut downs 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
• Level monitoring
• Filter or pump differential pressure
• Critical process monitoring

Model | Calibrated Span (Min. to Max.) | Lower Range Limit | Upper Range Limit | LCD Display | Agency Approvals
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3100MP-2-FM-1-1 | 0.5 to 30 in w.c. | 0.15 to 7.5 kPa | 30 in w.c. | 7.5 kPa | No
3100MP-3-FM-1-1 | 1.5 to 150 in w.c. | 0.373 to 37.3 kPa | 150 in w.c. | 37.3 kPa | No
3100MP-4-FM-1-1 | 7.5 to 750 in w.c. | 1.865 to 186.5 kPa | 750 in w.c. | 186.5 kPa | No
3100MP-5-FM-1-1 | 1 to 100 psi | 6.9 to 690 kPa | 100 psi | 690 kPa | No
3100MP-6-FM-1-1 | 3 to 300 psi | 20.68 to 2068 kPa | 300 psi | 2068 kPa | No
3100MP-2-FM-1-1-LCD | 0.6 to 30 in w.c. | 0.15 to 7.5 kPa | 30 in w.c. | 7.5 kPa | Yes
3100MP-3-FM-1-1-LCD | 1.5 to 150 in w.c. | 0.373 to 37.3 kPa | 150 in w.c. | 37.3 kPa | Yes
3100MP-4-FM-1-1-LCD | 7.5 to 750 in w.c. | 1.865 to 186.5 kPa | 750 in w.c. | 186.5 kPa | Yes
3100MP-5-FM-1-1-LCD | 1 to 100 psi | 6.9 to 690 kPa | 100 psi | 690 kPa | Yes
3100MP-6-FM-1-1-LCD | 3 to 300 psi | 20.68 to 2068 kPa | 300 psi | 2068 kPa | Yes

Consult factory for custom calibration.

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

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