PMX9000

Hazardous Area Dual Input Display with Multiple Relays

The PMX9000 is an explosion-proof dual analog input meter with powerful math functions. The two independently programmable channels accept signals in 4-20 mA, 0-5 V, or 1-5 V formats. This advanced meter is capable of handling complex math requirements, including addition, difference, average, multiplication, division, ratio, and more. The dual-line 6-digit displays can show a combination of both input channels and the math function, allowing for a customized display showing all the critical application information. This unit comes with 4 relays.

Through-Glass SafeTouch® Buttons

The PMX9000 is equipped with up to 4 sensors that operate as through-glass buttons so that it can be programmed and operated without removing the cover (and exposing the electronics) in a hazardous area. These buttons can be disabled for security by selecting the LOCK setting on the switch located on the connector board in the base of the enclosure. To actuate a button, press one finger to the glass directly over the marked button area. When the cover is removed, mechanical buttons located on the faceplate perform the same programming functions.

Product Features

• SunBright display models
• Signal input conditioning for flow & round horizontal tanks
• Multi-pump alternation control
• SafeTouch® through-glass button programming
• Modbus® RS-485 serial communications
• Flanges for wall or pipe mounting
• Isolated 24 VDC@25mA transmitter power supply

Relay Outputs

The PMX9000 has four 3 A Form C relays (SPDT) with multiple power loss fail-safe options. Each relay may be assigned to input channel A or B. Relays can be configured for proper protective action upon input loop break. Relay ON and OFF delay times are user adjustable. Front panel indicators show alarm and/or relay state. There are powerful relay functions that can be configured in the PMX9000 meter, including:

• Automatic reset only (non-latching)

• Automatic + manual reset at any time (non-latching)

• Latching (manual reset only)

• Latching with clear (manual reset only after alarm condition has cleared)

• Pump alternation control (automatic reset only)

• Sampling (activated for a user-specified time)

• User selectable fail-safe operation

• Relay action for loss (break) of 4-20 mA input signal

• Time delay (on and off), independent for each relay

• Manual control mode

• Interlock relay mode

PDA8008-CTC

The PDA8008-CTC, USB to PMX9000 programming adapter, allows programming of the PMX9000 with a PC computer or laptop. USB and Ethernet meter to adapter cables included.

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