

PendoTECH® PressureMAT® Plus Sensor Monitors

Cole-Parmer®



PendoTECH PressureMAT Plus is a real-time monitor, alarm, and transmitter unit designed for use with the PendoTECH Single Use Pressure Sensors™ and other process sensors. This advanced unit allows real-time monitoring of pressure, flow rate, and total flow volume.

The output options simplify integration to PCs or higher-level control systems. The transmitter function delivers a 4–20 milliamp output signal corresponding to the process values on the display. The RS-232 data output to a PC is available for data collection to the data acquisition software.

Model 59900-05 with an analog input can be used to interface other sensors with a 4–20 mA output, such as temperature, UV, conductivity, pH, and turbidity.



Scan the QR code for more information
on PendoTECH products.

APPLICATIONS

- Perfect for use with filtration and chromatography processes
- Ideal for general-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- User configurable min/max set points with alarm output signal
- Zero tare to atmospheric pressure for and zero reset of the flowmeter total via the flowmeter menu
- Easily interface with pumps, valves, and PCs
- IP66/NEMA 4X enclosure rating
- User-configurable min/max alarm set points with alarm output signal
- Free technical application support available to assist

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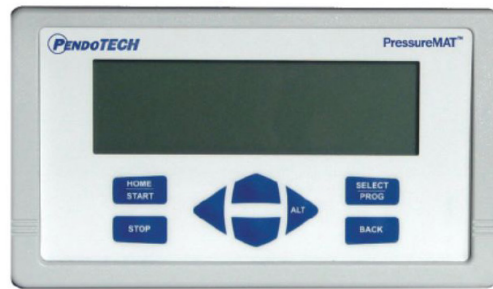
*Inquiries from Germany and France are now handled in our St. Neots office by native-speaking experts.

Specification and Ordering Table

No. of Pressure Sensor Input Channels	No. of Flow Sensor Input Channels	Analog Input	Output	Pressure Input Range	Resolution	Communication	Power Inlet	Power	Item Number
2	1	(1) 4–20 mA	4 analog	-11.5 to 75.0 psi (-0.793 bar to 5.171 bar)	0.1 psi (0.01 bar); flow with 2 fixed decimals	RS-232	2.5 mm circular power jack (center post positive) or D9	12 to 24 VDC powered by 110/220 VAC wall supply	59900-05
3	1	None	4 analog						59900-07



Connect up to 3 Pressure Sensors



Optional 4–20 mA Analog Input

Connect 1 Flow Sensor

4–20 mA ▶ Control System

RS-232 ▶ PC

Relay ▶ Pump, Valve, or Alarm