Cole-Parmer®

Cole-Parmer®
Pressure Transmitters



Cole-Parmer pressure transmitters provide versatile plug-and-play pressure monitoring for seamless integration into bioprocessing and process control systems. The standard M12 sensor interface and reusable cables ensure compatibility with Cole-Parmer Single-Use Pressure Sensors and many industry-leading brands, creating an easy-to-use system that is sensor-agnostic.

Indicator LEDs provide access to measurements, calibrations, and diagnostic information. Calibratable 4-20 mA outputs and fixed-value calibration sensors enable user-performed calibration and support GMP-related documentation requirements.

Process pressure transmitters support DIN-rail mounting and are compatible with an optional IP65 remote touchscreen display for convenient real-time pressure monitoring. Remote display sold separately.

Multi-channel transmitters accept up to four independent pressure sensor inputs and provide transmembrane pressure (TMP) and Delta P calculated outputs for monitoring pressure conditions across multiple points from a single device.

Order transmitter, cables and pressure sensors separately.

APPLICATIONS

- Tangential flow filtration (TFF) and membrane filtration
- Chromatography
- Fermentation and cultivation

FEATURES/BENEFITS

- Compatible with Cole-Parmer and other pressure sensor brands to increase versatility and reduce inventory complexity
- Automatically detects and configures pressure sensors, minimizing setup time
- User-selectable pressure units
- Standard M12 connections provide reliable sensor connectivity for improved measurement stability and system flexibility
- Analog 4-20 mA and Modbus RS-485 outputs enable integration with pumps, process control, and monitoring systems
- LED lights alert to over-range alarm and diagnostic conditions

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*Enquiries from Germany and France are handled by native speaking experts.

Cole-Parmer®
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Technical Specifications

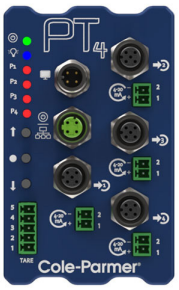
Parameter		Value
Pressure Range		–10 to 100 psi (–0.7 to 6.9 bar)
Accuracy	–10 to 0 psi	±4%
	0 to 50 psi	±2%
	51 to 80 psi	±2.5%
	81 to 100 psi	±3%
Transmitter Input Voltage		12–36 VDC
Sensor Input Connection		M12 4-pin Key-A Female
Units		psi, bar, kg/cm^2, kPa, or MPa

Specification and Ordering Table

No. of Sensor Inputs	Mounting	Display	Output	Dimensions (L x W x H) in. (cm)	Item Number
1	DIN-rail	Optional remote IP65 display sold separately	4-20 mA and Modbus RS-485	3.2 x 1.8 x 4.4 in. (8.1 x 4.6 x 11.2 cm)	98002-21
4	DIN-rail	Optional remote IP65 display sold separately	4-20 mA, Modbus RS-485 and TMP	3.2 x 2.7 x 4.4 in. (8.1 x 6.9 x 11.2 cm)	98002-22
4	Benchtop	Integrated 3.2 in. touchscreen	4-20 mA, Modbus RS-485 and TMP	4.4 x 2.74 x 5.0 in. (11.2 x 7.0 x 12.7 cm)	98002-23



Process Pressure Transmitter, 1-Channel



Process Pressure Transmitter, 4-Channel



Laboratory Pressure Transmitter, 4-Channel

Calibration Sensors

Description	Item Number
Pressure Transmitter Calibration Sensor, 10/20/30 psi	98002-42
Pressure Transmitter Calibration Sensor, 10/30/60 psi	98002-43
Pressure Transmitter Calibration Sensor, 30/60/100 psi	98002-44
Pressure Transmitter Fixed Calibration Sensor, 10 psi	98002-45
Pressure Transmitter Fixed Calibration Sensor, 20 psi	98002-46
Pressure Transmitter Fixed Calibration Sensor, 30 psi	98002-47
Pressure Transmitter Fixed Calibration Sensor, 60 psi	98002-48
Pressure Transmitter Fixed Calibration Sensor, 100 psi	98002-49

Accessories

Description	Item Number
Remote Display for Pressure Transmitter, 316 Stainless Steel	98002-24
Remote Display for Pressure Transmitter, Blue Powder Coated	98002-25
Cole-Parmer Pressure Transmitter to Cole-Parmer Pressure Sensor Cable, 5 ft (1.5 m)	98002-32
Cole-Parmer Pressure Transmitter to Cole-Parmer Pressure Sensor Cable, 10 ft (3 m)	98002-33
Cole-Parmer Pressure Transmitter to Cole-Parmer Pressure Sensor Cable, 16.4 ft (5 m)	98002-34
Cole-Parmer Pressure Transmitter to PendoTECH® Sensor Cable, 1.6 ft (0.5 m)	98002-36
Cole-Parmer Pressure Transmitter to Levitronix® Sensor Cable, 6.6 ft (2.0 m)	98002-38