

Standard Refrigeration Pressure Transducers

NEW

Pressure Transducer with a Custom ASIC — P158 Series

The P158 package has a built-in Metri-Pack 150, electrical connector and supports male and female process connections. The P158 is offered with a neoprene seal material that is suitable for many of the most common and latest refrigerants, including many of the proprietary blends and associated lubricants. Refrigerant seal compatibility must be verified prior to ordering.

- Features:**
- ▶ SAE Female Process Connection with Built-In Schrader Deflator
 - ▶ Linear Amplified Ratiometric Output
 - ▶ Temperature Compensated
 - ▶ Low Power Consumption
 - ▶ Outstanding Shock and Vibration Performance
 - ▶ Over Voltage, Reverse Polarity and Short Circuit Protection

- Specifications:**
- ▶ Pressure Ranges: 0–100 psi Through 0–750 psi Absolute or Sealed Gage
 - ▶ Supply Voltage: 5.0 ±0.5 VDC
 - ▶ Output Voltage: 0.5 to 4.5 VDC



Stock No.	Mfr.'s Type	Pressure Connection	Pressure Range (psi)	Reference	EACH		
					1-5	6-14	15-24
417-0001	P158-100A-C2A	1/4 SAE Female Flare with Schrader Deflator with Mating Connector, with 12", 16 AWG Leads	0-100	Absolute	275.00	266.00	252.00
417-0002	P158-300A-C2A	1/4 SAE Female Flare with Schrader Deflator with Mating Connector, with 12", 16 AWG Leads	0-300	Absolute	275.00	266.00	252.00
417-0003	P158-500A-C2A	1/4 SAE Female Flare with Schrader Deflator with Mating Connector, with 12", 16 AWG Leads	0-500	Absolute	275.00	266.00	252.00

All-Welded Pressure Transducers with Stainless Steel Diaphragm for High Pressure Applications

NEW

Sealed High Pressure and Refrigeration Sensors — P4000 Series

The P4000 Series of pressure sensors incorporates a stainless steel isolation diaphragm and welded construction to withstand harsh environments.

- Features:**
- ▶ Welded Stainless Steel Construction
 - ▶ Isolation Diaphragm
 - ▶ Absolute or Sealed Gage Reference
 - ▶ High Vibration Tolerance
 - ▶ Linear, Amplified, Ratiometric 0.5-4.5 VDC Output
 - ▶ Temperature Compensated
 - ▶ Wide Media Compatibility

- Specifications:**
- ▶ Pressure Ranges: 0-100 Through 0-4,000 PSIA/PSIG
 - ▶ Supply Voltage: 5.0 ±0.5 VDC
 - ▶ Output Voltage: 0.5 to 4.5 VDC



Stock No.	Mfr.'s Type	Pressure Connection	Pressure Range (psi)	Proof Pressure (psi)	EACH		
					1-5	6-14	15-24
417-0004	P4000-100SA1HA	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-100	300	275.00	266.00	252.00
417-0006	P4000-100AA1HA	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-100	300	275.00	266.00	252.00
417-0008	P4000-500SA1HA	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-500	1500	275.00	266.00	252.00
417-0009	P4000-500SA5HA	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-500	1500	275.00	266.00	252.00
417-0010	P4000-1000AA5HA	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-1000	3000	275.00	266.00	252.00
417-0011	P4000-3000AA5HA	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-3000	8000	275.00	266.00	252.00

Stainless Steel Pressure Transducers

NEW

Fixed Range Pressure Transducer — P255 Series

The P255 is offered with a fluorocarbon seal material that is suitable for many diverse applications. Other seal materials are available on request. Seal Material/Media compatibility must be confirmed prior to order.

- Features:**
- ▶ Wet and Dry Media
 - ▶ Linear Amplified Output
 - ▶ Temperature Compensated
 - ▶ Over-Voltage, Reverse Polarity and Short Circuit Protection
 - ▶ Ten Million Cycle Life Expectancy
 - ▶ Outstanding Shock and Vibration Performance

- Specifications:**
- ▶ Pressure Ranges: 0–15 psi Through 0–1,000 psi Absolute, Gage or Sealed Gage
 - ▶ Supply Voltage: 5.0 ±0.5 VDC
 - ▶ Output Voltage: 0.5 to 4.5 VDC



Stock No.	Mfr.'s Type	Pressure Connection	Pressure Range (psi)	Reference	EACH		
					1-5	6-14	15-24
417-0012	P255-15G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-15	Gage	275.00	266.00	252.00
417-0013	P255-30G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-30	Gage	275.00	266.00	252.00
417-0014	P255-50G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-50	Gage	275.00	266.00	252.00
417-0015	P255-75G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-75	Gage	275.00	266.00	252.00
417-0016	P255-100G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-100	Gage	275.00	266.00	252.00
417-0017	P255-200G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-200	Gage	275.00	266.00	252.00
417-0018	P255-500G-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-500	Gage	275.00	266.00	252.00
417-0019	P255-1000S-D4A	1/8-27 NPT with Mating Connector, with 12", 16 AWG Leads	0-1000	Sealed Gage	275.00	266.00	252.00
417-0020	P255-15G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-15	Gage	275.00	266.00	252.00
417-0021	P255-30G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-30	Gage	275.00	266.00	252.00
417-0022	P255-50G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-50	Gage	275.00	266.00	252.00
417-0023	P255-75G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-75	Gage	275.00	266.00	252.00
417-0024	P255-100G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-100	Gage	275.00	266.00	252.00
417-0025	P255-200G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-200	Gage	275.00	266.00	252.00
417-0026	P255-500G-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-500	Gage	275.00	266.00	252.00
417-0027	P255-1000S-D1A	1/4-18 NPT with Mating Connector, with 12", 16 AWG Leads	0-1000	Sealed Gage	275.00	266.00	252.00

Low Pressure Transducers

NEW

Differential/Gage Transducers — P356 Series

The P356 seal material is fluorocarbon and has wide-media compatibility. Seal/Media compatibility must be confirmed prior to ordering.

- Features:**
- ▶ Superior Long Term Stability
 - ▶ Excellent Repeatability/Hysteresis
 - ▶ EMI/RFI Protection
 - ▶ Linear, Amplified Ratiometric Output
 - ▶ Temperature Compensated
 - ▶ Over-Voltage, Reverse Polarity and Short-Circuit Protection
 - ▶ Main Port Suitable for Dry and Wet Media
- Specifications:**
- ▶ Pressure Connection: 1/4-18 NPT (External Threads) with Mating Connector, with 12", 16 AWG Leads
 - ▶ Pressure Ranges: 0–0.5 psi Gage or Differential
 - ▶ Supply Voltage: 5.0 ±0.5 VDC
 - ▶ Output Voltage: 0.5 to 4.5 VDC



Stock No.	Mfr.'s Type	Pressure Range (psi)	Reference	EACH
				1-5
417-0028	P356-D1D-E1A	±1	Differential	298.00
417-0029	P356-3D-E1A	0-3	Differential	298.00

Low Range Differential Pressure Sensors

NEW

Transducers for Airside Pressure Measurements — P992 Series

The product is ideal for Variable Air Volume (VAV) HVAC Systems, duct static pressure measurements and modulated furnace controls and is compatible with dry air and gases. The innovative design eliminates mounting position effects found on other low-pressure differential sensors currently available in the market.



- Features:**
- ▶ Rugged Package
 - ▶ PCB Mount and Cable Attached Configurations
 - ▶ Amplified, Temperature Compensated, Linear Output
 - ▶ No Position Sensitivity
 - ▶ EMI/RFI and ESD Protected
 - ▶ Superior Output Signal Stability
- Specifications:**
- ▶ Supply Voltage: 5.0 ±0.5 VDC
 - ▶ Output Voltage: 0.25 to 4.0 VDC
 - ▶ Media — Air and Dry, Inert Gasses



Stock No.	Mfr.'s Type	Electrical Termination	Pressure Range (In. of H ₂ O)	EACH
				1-5
417-0030	P992-2	PCB Mount	0-2	140.00
417-0031	P992-5	PCB Mount	0-5	140.00
417-0032	P992-2-C	2-Foot Mounting Bracket with Lead Wires	0-2	140.00
417-0033	P992-5-C	2-Foot Mounting Bracket with Lead Wires	0-5	140.00
417-0034	P992-10-C	2-Foot Mounting Bracket with Lead Wires	0-10	140.00