24 Volt Gauges and Transmitters, Absolute Pressure

Available in 5 ranges from 10^{-5} Torr to 1500 Torr. Pirani and Stainless Steel Diaphragm Sensors.

Specifications

Power: Gauges operate from 12 to 35 VDC power, 150 mA. for all ranges except .01 to 20 Torr which requires 300 mA.

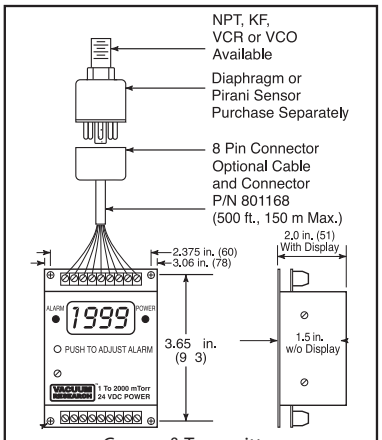
Response time: With Vacuum Research Pirani; 0.3 sec time constant. With Vacuum Research Diaphragm tubes; less than 400 milliseconds.

Accuracy: Pirani Gauges better than 5% of value or ±3 mTorr, whichever is larger.

Diaphragm Gauges 1% of reading or ± 2 Torr whichever is larger.

Display (Optional): 3 1/2 place LCD.

Relay: SPDT contacts rated for 5A @ 115 VAC, non-inductive.



Gauges & Transmitters with 24 VDC Power

Ordering Information

Buy Now! Go to www.vacuumresearch.com to order online

Sensors For 24 Volt Gauges & Transmitters

10^{-5} to 10^{-1} Torr • Pirani Sensor
(.01 X 10^{-3} to 100 X 10^{-3} mbar & .001 to 13.3 Pa also available)
Gauge with Digital Display, Linear 0-1 V output and adjustable setpoint with relay. P/N 902219.....$456.
Transmitter (No Display), Non Linear 0-5 V output, setpoint and relay included. P/N 902167.....$222.
Bare Circuit Board, Non-Linear, 0-5 V output no enclosure. P/N V801240.....$177.

Standard Pirani Gauge Tube For 0.01 to 100 mTorr Instruments
With Smooth 3/4 In. O.D. Tubulation, P/N: 912018 .....$130.
With 1/8 NPT, P/N: 912125 .....$171.
With NW-16 Flange, P/N: 912037 • **NW-25 Flange,** P/N: 912113.....$171.
With 1.33 Conflat® Tapped holes P/N: 912179 .....$171.
With 1.33 Conflat® Through holes P/N: 912160 .....$171.
(More styles on Page 18)

1 to 2000 mTorr • Pirani Sensor
(10^{-3} to 2 mbar & 0.1 to 200 Pascal also available)
Gauge with Digital Display, Linear 0-2 V output and adjustable setpoint with relay. P/N 902217.....$399.
Transmitter (No Display), Non Linear 0-5 V output, setpoint and relay included. P/N 902169.....$222.
Bare Circuit Board Non-Linear, 0-5 V output no enclosure. P/N V801159.....$162.

Standard Pirani Gauge Tube For 1 to 2000 mT Instruments
With 1/8 in. NPT Male Thread, P/N: 912001 .....$85.
With NW-16 Flange, P/N: 912005 • **NW-25 Flange**, P/N: 912202.....$126.
With 1.33 Conflat® P/N: 912067 ..$126. **VCR-4 FEM** P/N: 912068 .$162.
With 15 mm O.D., P/N: 912102 .....$118.
(More styles on Page 19)

.01 to 20 Torr • Pirani Sensor
(.01 to 20 mbar & 1 to 2000 Pascal also available)
Gauge with Digital Display, Linear 0-2 V output and adjustable setpoint with relay. P/N 902218.....$399.
Transmitter (No Display), Non Linear 0-5 V output, setpoint and relay included. P/N 902170.....$222.
Bare Circuit Board Non-Linear, 0-5 V output no enclosure. P/N V801181 .....$172.

Standard Gauge Tube For .01 to 20 Torr Instruments
With 1/8 in. NPT Male Thread, P/N: 912011 .....$89.
With NW-16 Flange, P/N: 912072 • **NW-25 Flange**, P/N: 912204 ....$131.
With 1.33 Conflat® P/N: 912073 ..$131. **VCR-4 FEM** P/N: 912074..$165.
With 15 mm O.D., P/N: 912103.....$115.
(More flange styles on Page 20)

1 to 1500 Torr • Diaphragm Sensor
(1 to 2000 mbar & 0.1 to 200.0 kPa also available)
Gauge with Digital Display, Linear 0-1.5 V output and adjustable setpoint with relay. P/N 902216 .....$411.
Transmitter (No Display), Linear 0-1.5 V output, setpoint with relay included. P/N 902172.....$232.
Bare Circuit Board, Linear, 0-1.5 V output, no enclosure. P/N V801170 .....$182.

Transducer with Stainless Steel Diaphragm
1/4 in. NPT P/N: 912022.....$415. **1/8 in. NPT** P/N: 912129 ..$469.
Stainless Steel Diaphragm With NW-16 Flange, P/N: 912151 .....$469.
With NW-25 Flange, P/N: 912117 .....$469.
With 1.33 Conflat® P/N: 912191 ..$469. **VCR-4 FEM** P/N: 912219 .$469.
(More flange styles on Page 13)

30 Inch Hg to Atmosphere (Gauge Pressure) • Diaphragm Sensor
Gauge with Digital Display, Linear 0-300 mV output and adjustable setpoint with relay. P/N 902213.....$399.
Transmitter (No Enclosure), Linear 0-300 mV output and adjustable setpoint with relay included. P/N 902173 .....$222.
Bare Circuit Board, Linear, 0-300 mV output, no enclosure. P/N V801187 .....$172.

Transducer With Standard Stainless Steel Diaphragm
for 30 In. Hg Diaphragm and wetted parts are 316 SS
1/4 in. NPT P/N: 912093.....$409.
Silicon Diaphragm in Stainless Steel Housing,
1/8 In. NPT P/N: 912065.....$261.
(More flange styles on Page 14)

Cable Assembly includes a connector for the sensor on one end and stripped and tinned leads on the other end to connect to the terminal strip. Connector on only one end allows the cable to be pulled through conduit or to more easily enter your cabinet. Specify length.
P/N 801168- xxx feet . . . . . .$21. plus $1./Ft.

Power Supply 100 to 240 V, 50-60 Hz input, 15 VDC @ 1.0 A output. Wallmount style with adapter plugs for US, UK, Europe, Australia.
P/N: V104124 . . . . . .$54. each

Electronic Calibrators Absolute pressure gauges can be adjusted to factory specifications using our compact electronic calibrators. No electronics training is required to operate these calibrators which allow you to adjust zero and full scale without using a vacuum system. See page 37 for P/Ns and prices for each of the ranges listed above.

Rack for Bare PCBs
Rack to hold 6 Bare PCBs. 3 X 7 X 3 inch F to B. Tabs for surface mount included. P/N V801186 . . . . . .$187.

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