



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

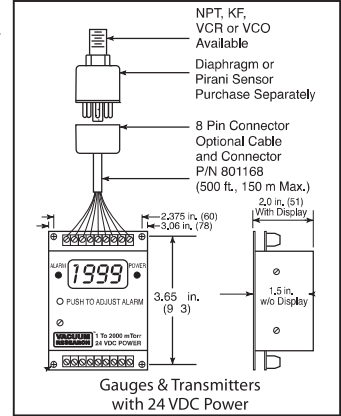
Power: Gauges operate from 12 to 35 VDC power, 150 mA. for all ranges except .01 to 20 Torr which requires 300 mA.

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 for 5A @ 115 VAC, non-inductive



Ordering Information: Sensors for 24 Volt Gauges & Transmitters

BUY NOW! Go to www.vacuumresearch.com to order online

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.....\$616
Transmitter (No Display) , Non Linear 0-5 V output, setpoint and relay included. P/N 902167.....\$301
Bare Circuit Board , Non-Linear, 0-5 V output no enclosure. P/N V801240.....\$240

Standard Pirani Gauge Tube For 0.01 to 100 mTorr Instruments
With Smooth 3/4 In. O.D. Tubulation , P/N: 912018.....\$168
With 1/8 NPT , P/N: 912125.....\$222
With NW-16 Flange , P/N: 912037 • NW-25 Flange , P/N: 912113.....\$222
With 1.33 Conflat® Tapped holes P/N: 912179.....\$222
With 1.33 Conflat® Through holes P/N: 912160.....\$222 (More styles on Page 14)

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.....\$537
Transmitter (No Display) , Non Linear 0-5 V output, setpoint and relay included. P/N 902169.....\$301
Bare Circuit Board Non-Linear, 0-5 V output no enclosure. P/N V801159.....\$220

Standard Pirani Gauge Tube For 1 to 2000 mT Instruments
With 1/8 in. NPT Male Thread , P/N: 912001.....\$112
With NW-16 Flange , P/N: 912005 • NW-25 Flange , P/N: 912202.....\$164
With 1.33 Conflat® P/N: 912067 ..\$154. VCR-4 FEM P/N: 912068.....\$164
With 15 mm O.D. , P/N: 912102.....\$155 (More styles on Page 15)

.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.....\$537
Transmitter (No Display) , Non Linear 0-5 V output, setpoint and relay included. P/N 902170.....\$301
Bare Circuit Board Non-Linear, 0-5 V output no enclosure. P/N V801181.....\$234

Standard Gauge Tube For .01 to 20 Torr Instruments
With 1/8 in. NPT Male Thread , P/N: 912011.....\$117
With NW-16 Flange , P/N: 912072 • NW-25 Flange , P/N: 912204.....\$169
With 1.33 Conflat® P/N: 912073 ..\$164. VCR-4 FEM P/N: 912074.....\$216
With 15 mm O.D. , P/N: 912103.....\$151 (More flange styles on Page 16)

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.....\$555
Transmitter (No Display) , Linear 0-1.5 V output, setpoint with relay included. P/N 902172.....\$314
Bare Circuit Board , Linear, 0-1.5 V output, no enclosure. P/N V801170.....\$248

Transducer with Stainless Steel Diaphragm
1/4 in. NPT P/N: 912022 \$534. 1/8 in. NPT P/N: 912129.....\$601
Stainless Steel Diaphragm With NW-16 Flange , P/N: 912151.....\$601
With NW-25 Flange , P/N: 912117.....\$601
With 1.33 Conflat® P/N: 912191...\$601. VCR-4 FEM P/N: 912219.....\$678 (More flange styles on Page 9)

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.....\$537
Transmitter (No Enclosure) , Linear 0-300 mV output and adjustable setpoint with relay included. P/N 902173.....\$301
Bare Circuit Board , Linear, 0-300 mV output, no enclosure. P/N V801187.....\$234

Transducer With Standard Stainless Steel Diaphragm for 30 In. Hg Diaphragm and wetted parts are 316 SS
1/4 in. NPT P/N: 912093.....\$526
Silicon Diaphragm in Stainless Steel Housing , 1/8 In. NPT P/N: 912065.....\$337 (More flange styles on Page 10)

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\$30. plus \$3./ft.

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 33 for P/Ns and prices for each of the ranges listed above.

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.....\$75. each

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.....\$249