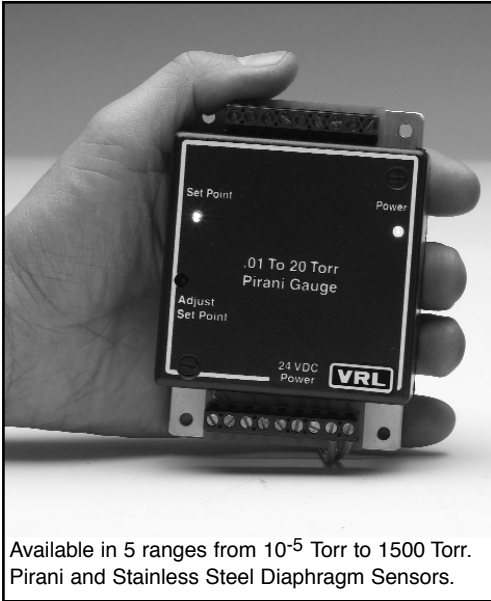




24 Volt Gauges and Transmitters, Absolute Pressure



Available in 5 ranges from 10⁻⁵ Torr to 1500 Torr. Pirani and Stainless Steel Diaphragm Sensors.

Best Value Vacuum Gauges Although low in cost these rugged instruments include all the features you need. Adjustable set point, analog output and more.

Ranges from 10⁻⁵ Torr to 1500 Torr (or mbar and Pascal equivalents)

Diaphragm and Pirani Sensors are available with any style and size of flange: NW, NPT, VCR, VCO, etc.

Digital Display (optional) 3 1/2 place LCD gives high resolution over the entire range.

Millisecond Response for Alarm Built in relay and adjustable set point provide millisecond response for alarm. The adjustable relay does not have to wait for slow scanning data systems.

Cable Length to 500 feet Add or change the cable length between sensor and gauge up to 500 Ft. (150m) No affect on calibration.

Control or Alarm These gauges provides an inexpensive and straightforward way to control your vacuum system. Use the Pirani Gauge directly to initiate crossover after roughing, or the Diaphragm Gauge to control backfill pressure on pump and purge operations. Or, feed the Fast Response analog output into your PC or PLC and let the digital system make the control decisions based on the signal.

Specifications

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

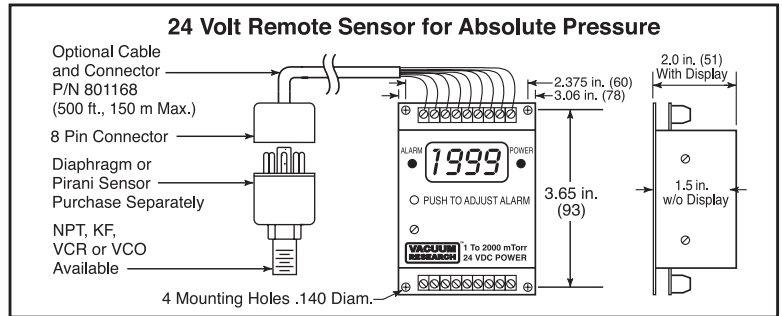
Response time: With Vacuum Research Pirani; 0.3 sec time constant. With Vacuum Research Diaphragm tubes; less than 400 milliseconds.

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.



Absolute Vacuum Gauge & Transmitter	With Digital Display, Analog Output & Relay	With Analog Output & Relay, No Digital Display	Bare PCB, Analog Output No Relay or Enclosure	Sensors for Gauge/Transmitter
10 ⁻⁵ to 10 ⁻¹ Torr • Pirani Sensor • Analog Output, 5 A relay (.01 X 10 ⁻³ to 100 X 10 ⁻³ mbar, .001 to 13.3 Pa also available)	P/N 902219.....\$426. Linear 0 - 1 V Output	P/N 902167.....\$207. Non-Linear 0 - 5 V Output	P/N V801240.....\$165. Non-Linear 0 - 1 V Output	Order sensor from catalog page 14
1 to 2000 mTorr • Pirani Sensor • Analog Output, 5 A relay (10 ⁻³ to 2 mbar, 0.1 to 200 Pa also available)	P/N 902217.....\$373. Linear 0 - 2 V Output	P/N 902169.....\$207. Non-Linear 0 - 5 V Output	P/N 801097.....\$152. Non-Linear 0 - 2 V Output	Order sensor from catalog page 13
.01 to 20 Torr • Pirani Sensor • Analog Output, 5 A relay (.01 to 20 mbar, 1 to 2000 Pa also available)	P/N 902218.....\$373. Linear 0 - 2 V Output	P/N 902170.....\$207. Non-Linear 0 - 5 V Output	P/N V801181.....\$160. Non-Linear 0 - 5 V Output	Order sensor from catalog page 15
1 to 1500 Torr • Diaphragm Sensor • Output, 5 A relay (1 to 2000 mbar, 0.1 to 200.0 kPa also available)	P/N 902216.....\$384. Linear 0 - 1.5 V Output	P/N 902172.....\$217. Linear 0 - 1.5 V Output	P/N V801170.....\$170. Linear 0 - 1.5 V Output	Order sensor from catalog page 7
30 in. Hg to Atmosphere • Diaphragm Sensor • Linear Output, 5A relay	P/N 902213.....\$373. Linear 0 - 0.3 V Output	P/N 902173.....\$207. Linear 0 to 0.3 V Output	P/N V801187.....\$160. Linear 0 - 0.3 V Output	Order sensor from catalog page 18

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.....\$20. plus \$1./Ft.

Power Supplies These instruments will operate with any voltage from 12 to 35 volts D.C. and can be powered from your D.C. bus. If no D.C. power is available these wall mount supplies will operate with any input from 100 to 240 VAC (90 to 264 VAC) 47 to 63 Hz. 4 A.C. plugs are included for outlets in USA, UK, Europe and Australia.
P/N V104134, 800 mA\$69. P/N V104135, 1600 mA\$101.

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. P/N V801186\$175.
3 X 7 X 3 inch F to B. Tabs for surface mount included.