



The instrument on the left shows the optional digital display. All models provide both 0 - 10 V and 4 - 20 mA linear outputs for your PLC.

Specifications For Active Pirani

Pressure Ranges: 1 to 2000 mTorr, 1 to 2000 Microns
(select one) .001 to 2.000 mbar, 0.1 to 200.0 Pa

Pressure: Tested to 150 PSIG (10 kg/cm²).

Power & Analog Output Connector: RJ-45 Female.

Power: 12 to 35 VDC, less than 100 mA.

Analog Outputs: Linear 0 to 10 VDC and 4 - 20 mA.

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

Response Time: 0.3 second time constant.

Optional Display: 3 1/2 Digit LCD.

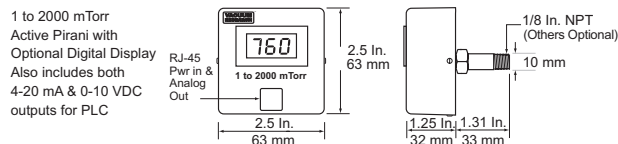
Connection to System: Standard gauge has a 1/8 NPT male thread or fit into quick connects sized for 1/8 inch pipe (0.405" dia.) NW, VCR and Mini Conflat® available.

Temperature Effects: Changes in ambient temperature between 0°C and 50 °C change the reading less than 0.2 mT per C° at 50 mT; less than 4 mT per C° at 900 mT.

Bakeout Temperature: Active Pirani tube can be baked to 50°C (120°F) in air or vacuum.

Mounting: Flange for system connection supports the gauge.

Net Wt.: 6 Ounces (180 grams). Shipping Wt.: Approx. 1lb. (.45 kg).



Ordering Information, 12 to 35 VDC Power Required

Active Pirani Indicator & Transmitter, 3 1/2 digit display, 1-2000 mTorr
plus 4-20 mA and 0-10 VDC output

With 1/8 Inch NPT Male Thread, P/N: 902383\$500

With 1/4 Inch 45° SAE Flare, Male, P/N: 902373\$515

With NW-16 Flange, P/N: 902384 • NW-25 Flange, P/N: 902385\$515

With 1.33 Inch Conflat® Flange, P/N: 902386\$515

With VCR-4 FEM, P/N: 902387\$573

With 15 mm O. D. Tube, P/N: 902388\$573

With 1/2 Inch O. D. Tube, P/N: 902389\$554

Active Pirani Transmitter only, No display, 1-2000 mTorr

plus 4-20 mA and 0-10 VDC outputs

With 1/8 Inch NPT Male Thread, P/N: 902376\$400

With 1/4 Inch 45° SAE Flare, Male, P/N: 902374\$455

With NW-16 Flange, P/N: 902377 • NW-25 Flange, P/N: 902378\$455

With 1.33 Inch Conflat® Flange, P/N: 902379\$455

With VCR-4 FEM, P/N: 902380\$500

With 15 mm O. D. Tube, P/N: 902381\$440

With 1/2 Inch O. D. Tube, P/N: 902382\$455

mTorr is the standard but there is no charge for calibration in microns, mbar or Pa. Add micron, mbar, or Pa to P/N.

- Sensor and Gauge in One Compact Package
- 12 to 35 Volt DC Power; Less Than 100 mA
- Linear Outputs for PLC or Data System
- 0 to 10 VDC and 4-20 mA Standard Outputs
- Optional Outputs to Match Any T/C Gauge
- Optional 3 1/2 Digit Liquid Crystal Display
- Stem, Flanges, Enclosure All Stainless Steel



Display and Power Up To 7 Gauges

7 position switch and digital LED display provides power and continuous 4-20 mA output from each gauge. Seven RJ-45 female connectors on rear panel, plus a DB-15 connector for the seven 4-20 mA linear outputs. Cables with RJ-45 connectors must be ordered separately. 1/4 DIN panel mountable. Power required is 100 to 240 V, 50/60 Hz.

7 Channel Display and Power Supply,

P/N: 902394 (cables not included)\$579

DB-15 Connector with cable for 4-20mA linear outputs from the rear panel (to connect to your PLC or Data Acquisition System)

P/N: V801328 - XX feet.....\$66. plus \$2.00 per ft.

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

Cable Options (Not Included in Gauge Price):

RJ-45 male one end. Stripped and tinned conductors on the other end. Lengths up to 500 feet (150 m) available.

P/N: V801318 -XX (Length in feet)\$18. plus \$3.00 per ft.

RJ-45 male one end 25 feet, standard color gray. (black, blue, green, red, orange, purple, white, yellow avail.)

P/N: V801318-color (1 RJ45).....\$51. ea.

RJ-45 male both ends 25 feet, standard color gray. (black, blue, green, red, orange, purple, white, yellow avail.) P/N: V801318-color (2 RJ45) ...\$54. ea.

Cable 5 Ft. with RJ-45 male both ends. P/N: V801318 (5 ft.).....\$32. ea.

Power Supply with RJ-45 Connector 100 to 240 V, 50-60 Hz input, 15 VDC @ 1.0 A output with adapter plugs for US, UK, Europe, Australia.

6 ft. cord. Screw terminals for connection of 0-10 VDC and 4-20 mA output.

P/N: V801330\$108 ea.

RJ-45 Connector Adapter (shown at right) with screw terminals for 24V power in and 4-20 mA, 0-10 VDC outputs.

P/N: V801324\$41 ea.

902383-REBUILD\$123

Send to factory by RGA



RJ-45 Connector