

## Digital Pirani Vacuum Gauge – DPRG-1GH-SP



The UVS **Model DPRG series** Vacuum Pirani Gauge Controller displays vacuum pressure as measured from a S-PR-GH sensor tube. It displays vacuum measurements based on thermal conductivity of gases. The **Model DPRG-1GH-SP** unit covers the range from 0.001 m.Bar to 20 m.bar, and controls relay with independent set point.

### TECHNICAL SPECIFICATIONS

<b>Number of sensor channels</b>	<b>ONE</b>
<b>Display Range</b>	1000 mBar to 0.001mBar.
<b>Measuring Range</b>	20 mBar to 0.001mBar.
<b>Units of Display</b>	m.Bar
<b>Vacuum Gauge Head</b>	S-PR-GH sensor tube
<b>Temp. Range</b>	+2 to +50 deg. Celsius
<b>VAC. Display</b>	<b>Seven segment bright red LED, mantissa and exponential</b>
<b>VAC and ATM Adjust</b>	adjusted by trim pot at the signal conditioner PCB.
<b>Process control set points</b>	<b>one</b>
<b>Process Control Relays</b>	One relay output, potential free contacts; independent available through the DB15 accessory connector on the rear panel
<b>Nonvolatile Memory</b>	Only for set points
<b>Operating Voltage</b>	universal power supply, input voltages from <b>90 ~ 264VAC 50/60 Hz</b>
<b>Mounting</b>	<b>¼ DIN 92 x 92 mm (3.62" x 3.62")</b>
<b>Environmental Considerations</b>	not for use with explosive or corrosive gases
<b>Overall dimensions</b>	92mm X 92mm X 110mm Depth
<b>Optional outputs on request</b>	RS485, 0 -10V DC analog output

**Features at a Glance:** ■ Measurement range 0.001 to 20 mbar ■ Space saving rugged design- 1/8 DIN console ■ Space saving rugged design- 1/8 DIN console ■ Mounts in any orientation ■ brass body measuring cell with metal-sealed feed through ■ with universal power supply – input voltage from 90 ~ 264VAC,

**Applications :** ■ Controlling high vacuum systems ■ Fore vacuum pressure monitoring ■ Safety circuits in vacuum systems ■ General vacuum measurement & control in the fine and rough vacuum range.

### Calibration:

Unique Vacuum Solutions offers a convenient recalibration service to help users of vacuum measurement pirani/ thermocouple/ full range gauges to maintain all of their vacuum gauges in Certified and peak condition, regardless of the original manufacturer. All makes of vacuum gauges can also be calibrated / repaired if required. The calibration certificates are available only on request at additional cost. Pl contact before ordering.