



UNIQUE VACUUM  
SOLUTIONS

## Digital Pirani Vacuum Gauge DPRG-1GH



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** unit covers the range from 0.001 mbar to 20 mbar.

### TECHNICAL SPECIFICATIONS

MODULES	
<b>Number of sensor channels</b>	ONE
<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>Operating Voltage</b>	universal power supply, input voltages from <b>90 ~ 264VAC</b> 50/60 Hz
<b>Mounting</b>	1/4 DIN 92 x 92 mm (3.62" x 3.62")
<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 non linear 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, frequency 47 ~ 440Hz**

### 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.

### UNIQUE VACUUM SOLUTIONS

#57, 8<sup>th</sup> cross, 1<sup>st</sup> B cross, Daddanna industrial area main road, vishwaneedam post, Near Peenya 2<sup>nd</sup> stage, Bangalore -560091

Ph: 080-28367059, 9886726920. e mail: [support@uniquevacuum.co.in](mailto:support@uniquevacuum.co.in)

[www.uniquevacuum.co.in](http://www.uniquevacuum.co.in)