



## ***FLEXA Digital Pirani Vacuum Gauge FGD-2GH-SP***



It is two channel readout vacuum gauge with relay set point controller output facility.

The UVS **Model FLEXA series** Vacuum Pirani Gauge Controller displays vacuum pressure as measured from a **FG-04 sensor tube**. The **Model FGD-2GH-SP** displays vacuum measurements from 0.001mBar to 20 mbar, and has a built in potential free contact set point relay output, one for each channel.

**The Advantage Of This Vacuum Gauge FLEXA Series Is The Sensor Tube Has The Built In Zero And Atm Adjustments, So That The Sensor Tube Can Be Used As A Transducer, And Each Sensor Is Factory Calibrated At Sensor Level.**

**With This 1:1 Replacement Of Sensor With The Display Unit Is Established, And There Is No Dependency On Vacuum Gauge Level Adjustment In Case Of Sensor Replacement.**

### **TECHNICAL SPECIFICATIONS**

Number of sensor channels	<b>TWO</b>
Display Range	1000 mBar to 0.001mBar.
Measuring Range	20 mBar to 0.001mBar.
Measuring unit	m.Bar
Vacuum Gauge Head	<b>FG-04 sensor tube</b>
Temp. Range	+2 to +50 deg. Celsius
VAC. Display	4-digit bright red LED, 14 mm high
VAC and ATM Adjust	adjusted by trim pot at the signal conditioner PCB of the sensor.
Process control set points	<b>One for each channel</b>
Process Control Relays	two relay outputs, potential free contacts; available through 6 pin metal shell connector on the rear panel
Nonvolatile Memory	Only for set points
Operating Voltage	universal power supply, input voltages from 90 ~ 264VAC 50/60 Hz
Mounting	¼ DIN 92 x 92 mm (3.62" x 3.62")
Environmental Considerations	not for use with explosive or corrosive gases
Overall dimensions	92mm X 92mm X 110mm Depth
Optional outputs on request	RS485, 0 -10V DC non linear analog output (optional)
Sensor cable	Standard RJ45 male plugs both ends- 2 mtrs long. Optional additional lengths available on request.

**Features at a Glance :** ■ **Measurement range 0.001 to 20 mbar** ■ **Space saving rugged design- 1/8 DIN console** ■ **brass body measuring cell with metal-sealed feed through** ■ **with universal power supply** ■ **interchangeability of the sensor possible without disturbing the display unit.**

**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. **PI contact before ordering.**

### **UNIQUE VACUUM SOLUTIONS**

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