



## FLEXA Digital Pirani Vacuum Gauge FGE-1GH



The UVS **Model FLEXA series** Vacuum Pirani Gauge Controller displays vacuum pressure as measured from a **FG-04 sensor tube**. The **Model FGE-1GH** displays vacuum measurements based on thermal conductivity from 0.001 m.Bar to 20 m.bar.

**Exponential order display from  $2.0 \times 10^1$  to  $1.0 \times 10^{-3}$  mbar**

**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

<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>Measuring unit</b>	m.Bar
<b>Vacuum Gauge Head</b>	<b>FG-04 sensor tube</b>
<b>Temp. Range</b>	+2 to +50 deg. Celsius
<b>VAC. Display</b>	4-digit bright red LED, 14 mm high
<b>VAC and ATM Adjust</b>	adjusted by trim pot at the signal conditioner PCB of the sensor.
<b>Process control set points</b>	<b>NIL</b>
<b>Operating Voltage</b>	universal power supply, input voltages from 90 ~ 264VAC 50/60 Hz
<b>Mounting</b>	¼ 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 (optional)
<b>Sensor cable</b>	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** ■ **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. **Pl contact before ordering.**

### UNIQUE VACUUM SOLUTIONS

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