



UNIQUE VACUUM  
SOLUTIONS

## FLEXA Digital Pirani Vacuum Gauge FGE-2GH



The UVS **Model FLEXA series** Vacuum Pirani Gauge Controller displays vacuum pressure as measured from a **FG-04 sensor tube**. The **Model FGE-2GH** unit covers the range from 0.001 m.Bar to 20 m.bar, and measures two channels.

**Exponential order display from 1.0X10<sup>3</sup> to 1.0X10<sup>-3</sup> 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>TWO</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>            | <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>Process Control Relays</b>       | <b>NIL</b>   |
| <b>Nonvolatile Memory</b>           | <b>NIL</b>   |
| <b>Operating Voltage</b>            | universal power supply, input voltages from 90 ~ 264VAC 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 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 ■ Two channel measurement ■ Space saving rugged design- 1/8 DIN console ■ Mounts in any orientation ■ 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. Please contact before ordering.

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