



UNIQUE VACUUM SOLUTIONS

FLEXA Digital Pirani Vacuum Gauge FGD-1GH-SP



The UVS **Model FLEXA series** Vacuum Pirani Gauge Controller displays vacuum pressure as measured from a **FG-04** sensor tube. The **Model FGD-1GH-SP** displays vacuum measurements from 0.001 m.Bar to 20 m.bar, and has a built in potential free contact set point relay output.

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	ONE
Display Range	1000 mBar to 0.001mBar.
Measuring Range	20 mBar to 0.001mBar.
Measuring unit	m.Bar
Vacuum Gauge Head	FG-04 sensor tube
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	One
Process Control Relays	One relay output, 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	1/4 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. Pl contact before ordering.

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

Ph: 080-28367059, +91-9886726920. support@uniquevacuum.co.in,
www.uniquevacuum.co.in