

PGD500

Pirani Gauge Display

The INFICON Pirani Gauge Display PGD500 in combination with the INFICON Pirani Standard Gauges PSG50x & PSG55x, the INFICON Pirani Capacitance Diaphragm Gauges PCG55x or the INFICON Cold Cathode Pirani Gauges MPG40x & MPG50x is providing a cost effective pressure monitoring solution.



ADVANTAGES

- User selectable measurement unit (Pa, mbar or Torr)
- Compact bench top model design can be easily mounted in a panel or 19" rack
- 0 to 10 V output signal from the gauge is available for use in PLC or with a chart recorder
- One free adjustable set point
- CE certified

APPLICATIONS

- Fore vacuum pressure measurement
- Pressure measurement on evacuation/filling stations for RAC applications
- Pressure measurement in light bulb production lines
- General vacuum measurement and control in the medium and rough vacuum range

ORDERING INFORMATION

Type	PGD500
Pirani Gauge Display	398-802

CONNECTABLE GAUGES

Pirani Standard Gauges ¹⁾	PSG500, PSG500-S, PSG502-S, PSG510-S, PSG512-S PSG550, PSG552, PSG554
Pirani Capacitance Diaphragm Gauges ¹⁾	PCG550, PCG552, PCG554
Cold Cathode Pirani Gauges ¹⁾	MPG400, MPG401, MPG500, MPG504

¹⁾ Ordering information see respective Data Sheets (available via www.inficon.com).

ACCESSORIES

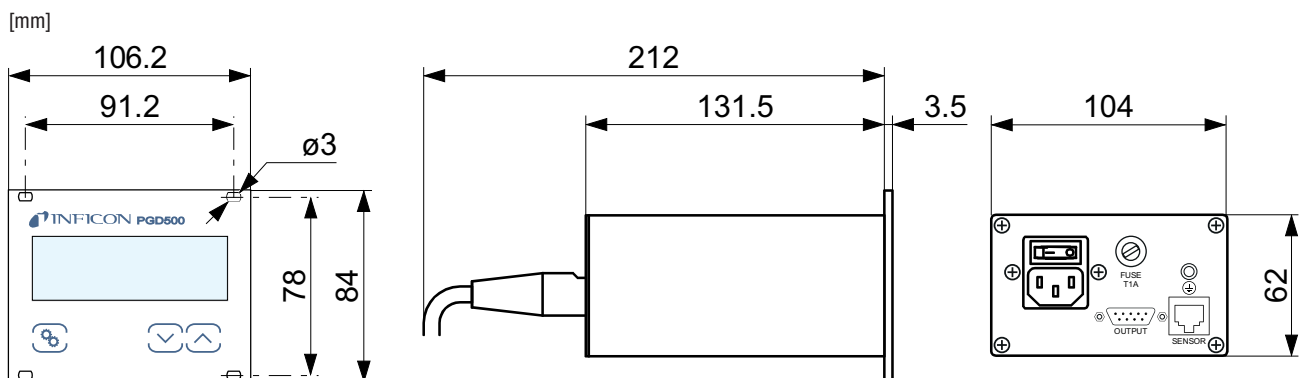
Sensor cable ¹⁾	1.3 m (4.27 ft)	398-498
Seal with centering ring and filter	DN 16 ISO-KF	211-090
Adapter for rackmount 2HE / 3HE		398-499

¹⁾ Other lengths on request

SPECIFICATIONS

Measurement channel		1
Display		LCD
Range (depending on gauge)	Pa hPa mbar	$5 \times 10^{-7} \dots 1.5 \times 10^5$ $5 \times 10^{-9} \dots 1.5 \times 10^3$
Measurement rate	1/s	30
Measurement unit (selectable)		Pa, mbar, Torr
Setpoint		
Setpoint relay		1
Adjustment range (depending on gauge)		$1 \times 10^{-8} \dots 500$
Hysteresis		$\geq 10\%$ of measurement value
Relay contact		floating changeover contact
Contact rating	V (ac) / A	50 / 5
Connector		D-sub, 9-pin, male
Analog output	V	0 ... 10.3, sensor output signal
Power		
Supply	V (ac)	100 ... 240
Frequency	Hz	50 ... 60
Consumption	VA	≤ 30
Temperature		
Operation (ambiance)	°C	+5 ... +50
Storage	°C	-20 ... 60
Relative humidity		$\leq 80\%$ up to +31 °C, decreasing to 50% at +40 °C
Degree of protection		IP20
Weight	kg	0.85

DIMENSIONS



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Due to our continuing program of product improvements, specifications are subject to change without notice.

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