

## PGD500

### Pirani Gauge Display

The INFICON Pirani Gauge Display PGD500 in combination with the INFICON Pirani Standard Gauge PSG5xx provides a cost effective pressure monitoring solution. Although it is called Pirani Gauge Display the PGD500 also supports our PCG55x and MPG series vacuum gauges.



#### ADVANTAGES

- User selectable measurement unit (Pa, mbar or Torr)
- Compact bench top model design can be easily mounted in a panel or 19 in. 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
- User selectable gauge PSG, PCG and MPG

#### APPLICATIONS

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

## PGD500

### ORDERING INFORMATION

Type	PGD500
Pirani Gauge Display	398-802

Accessories		Part no.
Sensor cable <sup>1)</sup>	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

<sup>1)</sup> Other/longer lengths on request

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### SPECIFICATIONS

PGD500	
Measurement channels (sensors to connect)	1 (PSG5xx, PCG5xx or MPG series)
Display	LCD
Range	5 × 10 <sup>-7</sup> ... 1.5 × 10 <sup>5</sup> Pa 5 × 10 <sup>-9</sup> ... 1500 mbar
Measurement rate	30 / s
Measurement unit (selectable)	Pa, mbar, Torr
Setpoint	
Setpoint relay	1
Adjustment range	1 × 10 <sup>-8</sup> ... 500
Hysteresis	≥10% of measurement value
Relay contact	Floating changeover contact
Contact rating	50 V (ac) / 5 A
Connector	D-Sub, 9 pin, male
Analog output	0 ... 10.3 V, sensor output signal
Power	
Supply	100 ... 240 V (ac)
Frequency	50 ... 60 Hz
Consumption	≤30 VA
Temperature	
Operation (ambiance)	+5 ... +50 °C
Storage	-20 ... +60 °C
Relative humidity	≤80% up to +31 °C Decreasing to 50% at +40 °C
Degree of protection	IP20
Weight	0.85

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## DIMENSIONS

mm (in.)

