

Convection-Enhanced Pirani Gauge

PG108 — Pirani gauge

- **1000 Torr to 10^{-4} Torr range**
- **UHV compatible**
- **Bakeable to 150 °C**
- **Fast response time**
- **Compatible with IGC100 controller**



The PG108 is an all-metal, convection-enhanced Pirani gauge, (G-P Series 375 Convector) featuring a knife-edge copper gasket seal. The gauge has a bakeout range to 150 °C allowing complete compatibility with UHV environments.

PG108 Specifications

Type	Convection-enhanced Pirani gauge (GP Series 375 Convector)
Measurement range	1.0×10^{-4} to 1000 Torr
Materials	304 stainless steel, borosilicate glass, Kovar, alumina, NiFe alloy, polyimide
Sensor material	Gold-plated tungsten
Internal volume	40 cm ³ (2.5 in. ³)
Weight	85 grams (3 ounces) plus vacuum connection fitting
Operating temperature	0 °C to 50 °C ambient (non-condensing)
Bakeout temperature	150 °C maximum (non-operating, cable disconnected)
Mounting orientation	Horizontal preferred
Cable bakeout temp.	105 °C maximum

Ordering Information

PG108	Pirani gauge (1/8" NPT)
Option 01	1.33" rotatable CF flange
Option 02	2.75" rotatable CF flange
Option 03	16KF
Option 04	25KF
Option 05	40KF
Option 06	VCR 1/4", female
Option 07	VCR 1/2", female
O108C410	10' cable (dual-gauge cable)
O108C425	25' cable (dual-gauge cable)

Distribution in the UK & Ireland



**Characterisation,
Measurement &
Analysis**

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