

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**
- **PG108 ... \$250 (U.S. list)**



PG108 Specifications

Type	Convection-enhanced Pirani gauge (Granville-Phillips Series 375 Convector)
Measurement range	1.0×10^{-4} to 1000 Torr
Sensor material	Gold-plated tungsten
Materials exposed to vacuum	304 stainless steel, borosilicate glass, Kovar, alumina, NiFe alloy, polyimide
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

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.

Ordering Information

PG108	Pirani gauge (1/8" NPT)	\$130
Option 01	1.33" rotatable CF flange	\$30
Option 02	2.75" rotatable CF flange	\$40
Option 03	16KF	\$20
Option 04	25KF	\$30
Option 05	40KF	\$55
Option 06	VCR 1/4", female	\$25
Option 07	VCR 1/2", female	\$60
O108C4	10' cable (dual-gauge cable)	\$95
O108C4/1	25' cable (dual-gauge cable)	\$130