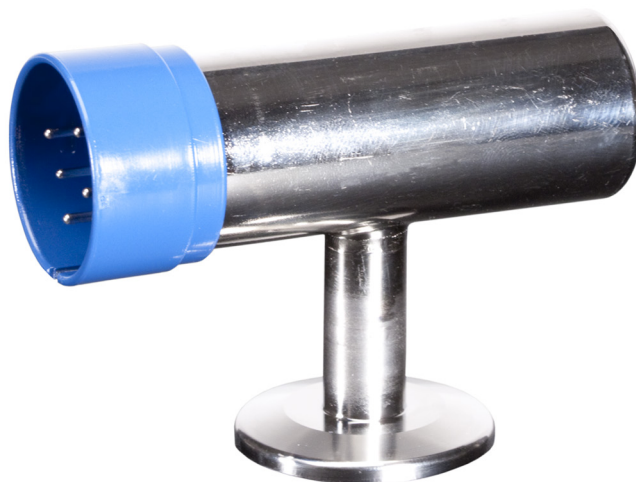


# Convection-Enhanced Pirani Gauge

PG108 — Pirani gauge

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

· PG108 ... \$300 (U.S. list)



The PG108 is an all-metal, convection-enhanced Pirani gauge, (G-P Series 375 Convectron) 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 Convectron)
Measurement range	$1.0 \times 10^{-4}$ to 1000 Torr
Materials	304 stainless steel, borosilicate glass, Kovar, alumina, NiFe alloy, polyimide
Sensor material	Gold-plated tungsten
Internal volume	40 cm <sup>3</sup> (2.5 in. <sup>3</sup> )
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)	\$300
Option 01	1.33" rotatable CF flange	\$75
Option 02	2.75" rotatable CF flange	\$75
Option 03	16KF	\$75
Option 04	25KF	\$75
Option 05	40KF	\$75
Option 06	VCR 1/4", female	\$75
O108C410	10' cable (dual-gauge cable)	\$125
O108C425	25' cable (dual-gauge cable)	\$175