

Convection-Enhanced Pirani Gauge

PG108 — Pirani gauge



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- 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 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

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| 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

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| 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 |