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 ... $200 (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, polymide

**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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<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Price</th>
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<tr>
<td>PG108</td>
<td>Pirani gauge (1/8&quot; NPT)</td>
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<tr>
<td>Option 01</td>
<td>1.33&quot; rotatable CF flange</td>
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<td>Option 02</td>
<td>2.75&quot; rotatable CF flange</td>
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<td>VCR 1/4&quot;, female</td>
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