

# Specifications

## 317

### Convection-Enhanced Pirani Vacuum Sensors

317 Sensor	
Measurement Range	1.0 X 10 <sup>-3</sup> to 1.0 X 10 <sup>+3</sup> Torr 1.3 X 10 <sup>-3</sup> to 1.3 X 10 <sup>+3</sup> mbar 1.3 X 10 <sup>-1</sup> to 1.3 X 10 <sup>+5</sup> Pascal
Resolution	1% of indicated decade
Set Point Range	2.0 X 10 <sup>-3</sup> to 9.5 X 10 <sup>+2</sup> Torr 2.7 X 10 <sup>-3</sup> to 1.2 X 10 <sup>+3</sup> mbar 2.7 X 10 <sup>-1</sup> to 1.2 X 10 <sup>+5</sup> Pascal
Reproducibility	5% of indicated pressure
Cables and Connectors	Maximum length is 500 feet 9 pin D-sub connectors, multiconductor shielded cable
Bakeout Temperature	250°C (482°F) with cable and electronics attached
Operating Temperature	0° to 50°C (32° to 122°F)
Materials Exposed to Vacuum	304 stainless steel, nickel 200, glass, platinum
Internal Volume	0.5 in. <sup>3</sup> (8.0 cm <sup>3</sup> ) maximum
Weight	0.5 lb (0.2 kg) 1.34 lb (0.52 kg) with a 2 <sup>3</sup> / <sub>4</sub> inch CF flange

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