




Measuring range (air, N ₂)	5×10 ⁻⁹ ... 1000 mbar
Accuracy (N ₂)	≈±30% in the range 1×10 ⁻⁸ ... 100 mbar
Reproducibility	≈±5% in the range 1×10 ⁻⁸ ... 100 mbar
Gauge identification	85 kΩ referenced to supply common
Status	Pin 6
p > 10 ⁻² mbar Pirani-only mode	 Low = 0 V
p < 10 ⁻² mbar Cold cathode not ignited Pirani-only mode	 Low = 0 V
p < 10 ⁻² mbar Cold cathode ignited Combined Pirani / cold cathode mode	 High = 15 ... 30 VDC
Materials exposed to vacuum	
Vacuum connection	stainless steel
Measuring chamber	stainless steel
Feedthrough	ceramic
Internal seals	FPM 75
Anode	Mo
Ignition aid	stainless steel
Pirani measuring tube	Ni, Au
Pirani filament	W
Mounting orientation	any
Internal volume	≈20 cm ³
Pressure	≤10 bar (absolute) limited to inert gases
Temperatures	
Operation	+5 ... +55 °C (at flange in horizontal mounting orientation, without magnetic shielding)
Bakeout	+150 °C (without magnetic shielding and electronics unit)

Storage	-40 °C ... +65 °C
Relative humidity	≤80% at temperatures up to +31 °C decreasing to 50% at +40 °C
Use	indoors only altitude up to 2000 m
Protection category	IP 40

Dimensions [mm]

