# **APG100 Active Pirani Vacuum Gauge**





Features include compact size for easy installation, a linear output, and a replaceable sensor tube. The new gauges are compatible with all Edwards TIC instrument controllers and other active gauge controllers and displays. They are also CSA, C/US approved as well as fully RoHS compliant due to their lead-free construction.

# Features & Benefits

- Cable connections and gauge adjustment conveniently located, thereby minimizing the space envelope required for access
- Sensor tube can be baked to 150 °C
- Adjustable set-point for simple process control and interlocking
- Remote calibration possible
- CSA, C/US approved

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#### Dimensions



NW16 30 mm (1.18 inch) NW25 40 mm (1.57 inch)

### Performance Curves



# **Ordering Information**

Product Description	Order No.
APG100-XM, NW16	D02601000
APG100-XM, NW25	D02602000
APG100-XLC, corrosion resistant, NW16	D02603000
APG100-XLC, corrosion resistant, NW25	D02604000
APG100-XM, NW16, Certificated	D0260100C
APG100-XM, NW25, Certificated	D0260200C
APG100-XLC, NW16, Certificated	D0260300C
APG100-XLC, NW25, Certificated	D0260400C
APG100-XM, DN16CF	NRD710000
APG100-XLC, DN16CF	NRD712000
Accessories & Spares	Order No.
Spare APG100-XLC electronics module	D02603800
Spare APG100-XM electronics module	D02601800
Spare mesh filter for APG100 pack of 5	D02601805
Spare sensor for APG100-XLC NW16 flange	D02603801
Spare sensor for APG100-XLC NW25 flange	D02604801
Spare sensor for APG100-XM NW16 flange	D02601801
Spare sensor for APG100-XM NW25 flange	D02602801
Spare sensor for APG100-XM DN16CF flange	NRD711000
Spare sensor for APG100-XLC DN16CF flange	NRD713000

## **Technical Data**

Mass
Internal volume
Enclosure rating
Measurement range (APG100- XM)
Measurement range (APG100- XLC)
Accuracy (APG100-XM)
Accuracy (APG100-XLC)
Maximum over-pressure
Operating temp range
Storage temp range
Bake-out with no electronics

#### Humidity

Maximum altitude Filament temperature Electrical supply voltage

Power consumption Output signal Set-point – open collector transistor Rating Range of set-point Fixed hysteresis Level setting resolution 85 g 5 cm<sup>3</sup> IP40 Atmosphere to 10<sup>-3</sup> mbar Atmosphere to 10<sup>-4</sup> mbar Typically +/- 15% at <100 mbar Typically +/- 15% at <10 mbar 10 bar absolute  $5^{\circ}$  to  $60^{\circ}$  C  $-30^{\circ}$  to  $70^{\circ}$ C 150 °C 80% RH up to 31 °C decreasing linearly to 50% RH at 40 °C and above 3000 m 100 °C above ambient 15 to 30 V d.c. nominal 13.5 V d.c. minimum 32 V d.c maximum 1 W 0 to 10 V d.c. nominal

30 V d.c. 100 mA 1.8 to 9.2 V dc 500 mV (1/2 decade) 6 mV 4 Page 143