

APGX-H Active Linear Convection Gauge



Edwards Linear Convection Vacuum Gauge has a wide measuring range from 1333 to 3×10^{-4} mbar (1000 to 2.3×10^{-4} Torr). The use of convection technology ensures accuracy and sensitivity are maintained to the top of the range.

The gauge is compact and may be mounted in any orientation, simplifying installation where space is limited. The gauge incorporates a setpoint and two LEDs, which indicate setpoint and gauge status.

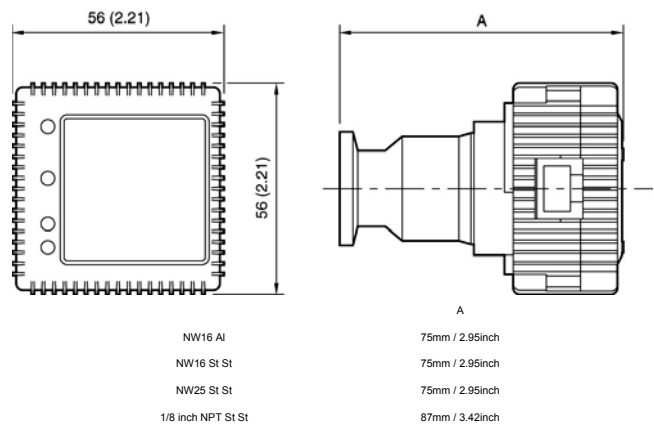
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Features & Benefits

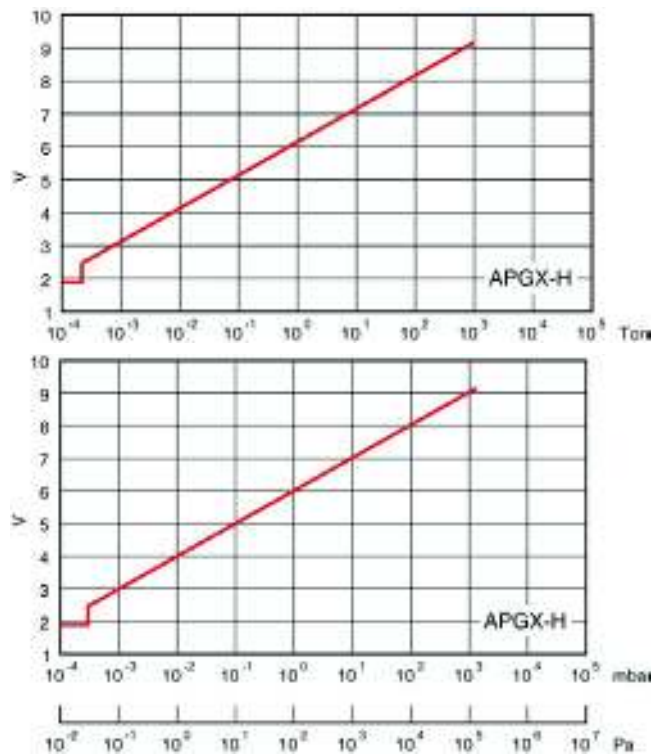
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- Wide Measuring Range 1333 to 3×10^{-4} mbar (1000 to 2.3×10^{-4} Torr)
- Use of convection technology ensures consistent measuring accuracy (typically $\pm 15\%$) and repeatability ($\pm 5\%$) to top of range
- Reduced Cost of Ownership
- Replaceable tubes are available
- CSA, C/US Approved

Dimensions



Performance Curves



Technical Data

Pressure range	1333 to 3×10^{-4} mbar (1000 to 2.3×10^{-4} Torr)
Power supply	14.5 to 30 V DC
Power consumption	1.5 W maximum
Accuracy	$\pm 15\%$ of reading $\pm 3 \times 10^{-4}$ mbar
Repeatability	$\pm 5\%$ of reading
Resolution	6mV increments
Response time	< 100 ms
Maximum overpressure	10 bar absolute (145 psia)
Adjustments	Set vacuum and set atmosphere. To allow for variations in barometric pressure, atmosphere may be set in the range 700 to 1100 mbar (525 to 825 Torr).
Setpoints† (open collector transistor)	Range of setpoint 1.8 to 9.3 V
	Rating 30 V DC 100 mA
	Fixed hysteresis (1/2 decade) 500 mV

† The setpoint output will be turned off if an error is detected. For further information, please contact Edwards.

Ordering Information

Product Description	Order No.
APGX-H-NW16, aluminium	D02391000
APGX-H-NW25 ST/ST	D02392000
APGX-H-NW16 ST/ST	D02395000
APGX-H 1/8" NPT ST/ST	D02396000
APGX-H-NW16 Aluminium, Certificated	D0239100C
APGX-H-NW16 ST/ST, Certificated	D0239500C
APGX-H-NW25 ST/ST, Certificated	D0239200C
APGX-H 1/8" NPT ST/ST, Certificated	D0239600C
Accessories & Spares	Order No.
0.5M Active Gauge Cable	D40001005
100M Active Gauge Cable Assembly	D40001999
10M Active Gauge Cable	D40001100
15M Active Gauge Cable	D40001150
1M Active Gauge Cable	D40001010
25M Active Gauge Cable	D40001250
3M Active Gauge Cable	D40001030
50M Active Gauge Cable	D40001500
5M Active Gauge Cable	D40001050
AGC EPROM Upgrade Kit	D38660800
APGX-H Electronics Module	D02391800
APGX-H Filter Pack 5 (not NPT version)	D02391805
NW16 AL TUBE APGX-H SPARE	D02391801
NW16 STST TUBE APGX-H	D02395801
NW25 STS TUBE APGX-H SPARE	D02392801
Spare Tube 1/8" NPT ST/ST	D02396801