



Agilent XGS-600

Technical Specifications

User interface	LCD monochrome dot matrix, 240 x 128, white LED backlight; 5 button keypad
Display capability	Up to eight simultaneous channels of pressure measurement, up to a 5 character user label for each; up to two channels in a large font; readable from 15 feet; display updates every 200 msec
Gauge capability	Up to 4 Hot Filament BA gauges including metal, glass, and nude UHV types using the HFIG** cards; up to 5 IMGs* using the IMG* cards; up to 12 rough gauges using the Dual Convection Gauge Cards; up to 12 Active Gauges using Dual Analog Input Cards
Measurement range	1 x 10 ⁻¹¹ Torr to Atm dependent upon card and gauge type selected
Set points - Open collector	Eight normally open setpoints with independently programmable ON and OFF delays, manual override; fast response: 20 msec max (with delay set to 0.0 sec)
Contact relays	Eight normally open or normally closed mechanical relays with 24V @ 2 amp rating, using 25 pin D-sub with same pinout as MultiGauge/SenTorr; 2 set points per relay/channel
Serial communications	RS232 and RS485 (fully programmable)
Analog outputs	1v/dec LOG, 0 – 10 V FS, on each card with 200 msec update rate
I/O control	HFIG** card: Remote gauge ON/OFF, Fil select, DeGAS ON/OFF Inputs, Status Output IMG* card: Remote gauge ON/OFF Input, Status Output Dual Convection Card: Remote CAL inputs, Status Outputs Dual Analog Input Card: Remote CAL Inputs, Status Output
Other	Auto-ON capability for installed ion gauges when at least one convection card is installed Sensitivity, gas correction, emission current (BA gauges only) inputs for ion gauges E-BEAM degas, with auto turn off for BA gauges Selectable air or argon calibration for rough gauges Adjustable atmosphere value for rough gauges Text error messages All data stored in FLASH non-volatile memory requiring no batteries
Power input/Temperature	Worldwide universal power input, 100-240 VAC, 2 A, 50/60 Hz, IEC inlet; 5-40 °C ambient
Regulatory approvals	CE certified and RoHS compliant, BV certified for USA and Canada

*IMG – Inverted Magnetron Gauge

**HFIG – Hot Filament Ion Gauge





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Features & Benefits

- reliable, accurate, cost-effective tool for measuring & controlling vacuum pressure
- simple, rugged design - 1/2 rack
- user friendly interface
- intelligent design & functionality
- 16 gauge set points
- universal voltage compatibility
- single controller can simultaneously operate:
 - up to 4 hot filament (or 4 cold cathode) and 4 convection gauges OR
 - up to 5 cold cathode gauges OR
 - up to 12 convection gauges

Applications

- physics research & development • industrial processes • analytical instrumentation • nanotechnologies • semiconductor manufacturing
- mass spectrometry

Dimensions

