

# Varian Vacuum Technologies

# Vacuum Measurement and Control

*Active Gauges  
and Controllers*



# Building Blocks for Total Vacuum Measurement and Control

Agilent Technologies provides a comprehensive tool kit of vacuum measurement products that enable you to optimize your vacuum systems. From rough vacuum to UHV, our Active Gauges, Controllers and Pressure Transducers allow you to control and measure vacuum with the precision and the reliability that are critical to getting your job done.

And as a leading manufacturer of vacuum pumps and systems we ensure that our gauges integrate with these products to provide you with a total vacuum measurement and control solution.

*Vacuum Measurement from Agilent Technologies – reliable, versatile, flexible, comprehensive.*



## Active Gauges

From rough vacuum (Pirani and Pirani/Capacitance) to combination gauges (FRG-700 and FRG-720) that span the entire vacuum range with an array of options including onboard displays, setpoint control and field bus networking capability.

See detailed description at right.



*FRG-720  
Full Range*

*PCG-750 Pirani/  
Capacitance*

*PVG-500  
Micro Pirani*



## Controllers

From basic rough gauge control with our RGC-150 to multi-gauge management with our XGS-600, Varian controllers provide the flexibility and intelligence to meet your ever-changing needs.

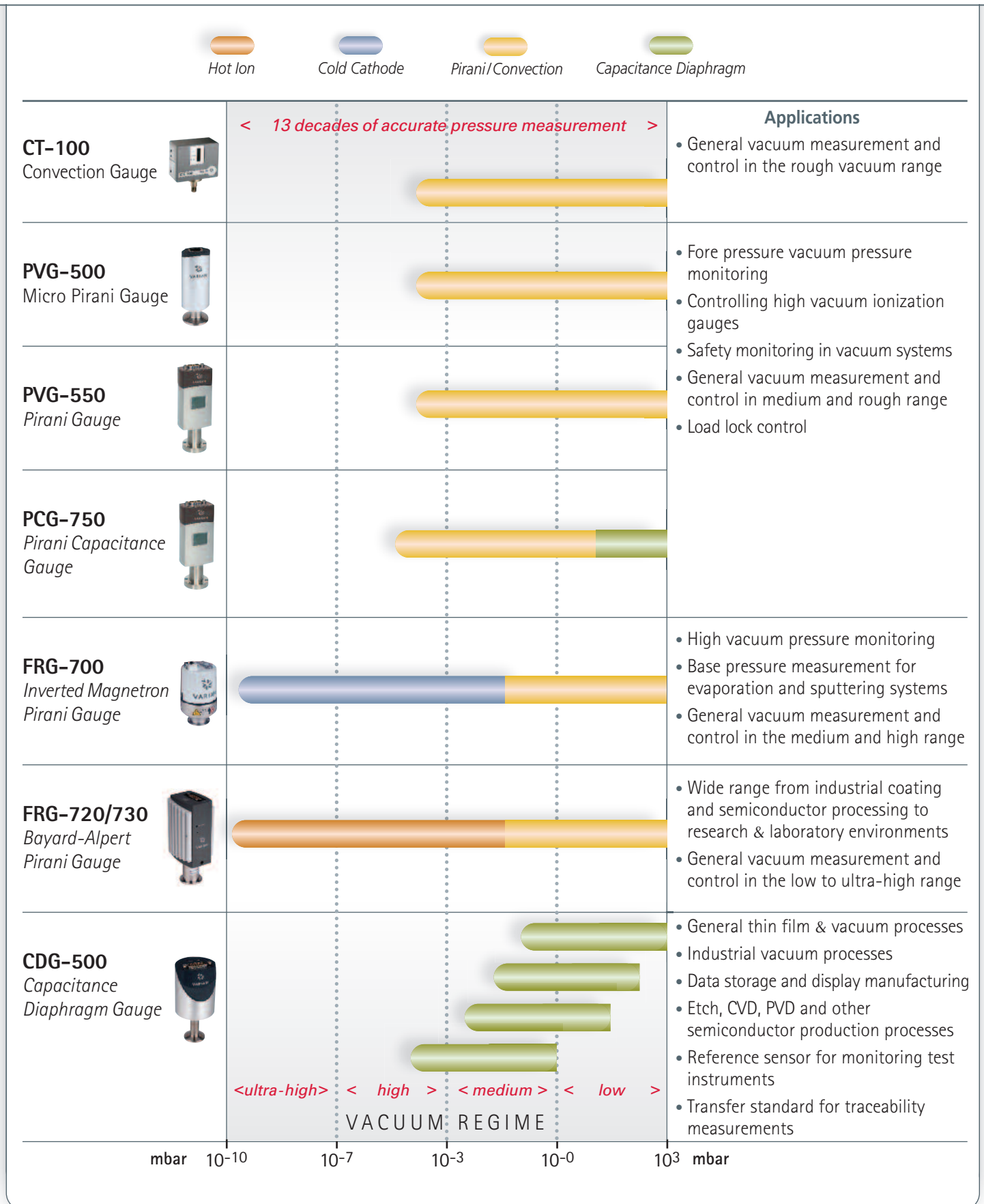


*XGS-600 – the most versatile  
controller available*

*RGC-150 – robust, cost effective,  
rough gauge controller*

- Operate up to 12 gauges simultaneously
- Display up to 8 gauges at one time
- <20 msec signal-to-set-point response time
- Standard features include:
  - 8 gauge set points
  - Fully programmable RS232/485 serial communications
  - Pressure units: Torr, Mbar, Pascal
  - Universal voltage compatibility
- Factory pre-calibrated with Varian 531 thermocouple gauge using a NIST standard
- Two easy to configure set points
- Runs on 100-230 VAC, 50/60 Hz and displays in Torr, mbar and kPa
- Large bright LED display
- Ethernet option for remote monitoring

# The Right Gauge for Your Application



# Varian Vacuum Technologies

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