








InstruTech® Quick Product Selection Guide - Vacuum Gauge Modules

Products	Vacuum Gauge Technology	Measurement Range	Controller	Display	Display Units	Analog Output	Setpoint Relay	Serial Comm.
IGM401 Hornet™ 	Bayard-Alpert Hot Cathode Ionization Gauge More info	1.0×10^{-9} to 5×10^{-2} Torr 1.3×10^{-9} to 6.7×10^{-2} mbar 1.3×10^{-7} to 6.7 Pa	Built-in	OLED	Torr, mbar, Pa	1	1	RS485
IGM402 Hornet™ 	Bayard-Alpert Hot Cathode IG with Dual convection Full Range Gauge More info	1.0×10^{-9} to 1,000 Torr 1.3×10^{-9} to 1,333 mbar 1.3×10^{-7} Pa to 133 kPa	Built-in	OLED	Torr, mbar Pa / Kpa	3	3	RS485
WGM701 WASP™ 	Cold Cathode Pirani Full Range Gauge More info	7.6×10^{-10} to 760 Torr 1×10^{-9} to 1000 mbar 1×10^{-7} Pa to 101 kPa	Built-in	None	N/A	1	None	None
CCM502 Hornet™ 	Cold Cathode Inverted Magnetron More info	7.6×10^{-10} to 7.6×10^{-3} Torr 1.0×10^{-9} to 1×10^{-2} mbar 1.0×10^{-7} to 1 Pa	Built-in	None	N/A	1	None	None
CCM501 Hornet™ 	Cold Cathode Double Inverted Magnetron More info	1.0×10^{-9} to 1×10^{-2} Torr 1.3×10^{-9} to 1.3×10^{-2} mbar 1.3×10^{-7} to 1.3 Pa	Built-in	OLED	Torr, mbar, Pa	1	1	RS485
CVM211 Stinger™ 	Convection Enhanced Pirani More info	1×10^{-4} to 1,000 Torr 1.3×10^{-4} to 1,333 mbar 1.3×10^{-2} Pa to 133 kPa	Built-in	LED	Torr / mTorr bar / mbar	1	1	none
CVM201 Super Bee™ 	Convection Enhanced Pirani More info	1×10^{-4} to 1,000 Torr 1.3×10^{-4} to 1,333 mbar 1.3×10^{-2} Pa to 133 kPa	Built-in	OLED	Torr / mTorr bar / mbar Pa / kPa	1	2	RS232 & RS485
PCM301 Busy Bee™ 	Pirani Capacitance Gauge More info	3.8×10^{-5} to 1,125 Torr 5.0×10^{-5} to 1,500 mbar 5.0×10^{-3} Pa to 150 kPa	Built-in	backlit LCD	Torr	1	2	None
CDM900 Micro BEE™ 	Capacitance Diaphragm More info	10 to 1000 Torr Full Scale	Built-in	None	None	1	None	None
VSM100 Mini BEE™ 	Vacuum Switch - Absolute Vacuum Switch- Differential More info	20 to 970 Torr -99 to + 46 Torr	Built-in	None	None	1	None	None

InstruTech® Quick Product Selection Guide - Vacuum Gauge Sensors and Controllers

Product	Vacuum Gauge Technology	Measurement Range	Compatible Controller	Display	Display Units	Analog Output	Setpoint Relay	Serial Com
BA600 	Bayard-Alpert Hot Cathode Mini Ionization (IG) Sensor More info	1.0×10^{-9} to 5×10^{-2} Torr 1.3×10^{-9} to 6.7×10^{-2} mbar 1.3×10^{-7} to 6.7 Pa	B-RAX	Sensor only See B-RAX	None	None	None	None
BA601/BA602/BA603 	Nude / Glass Hot Cathode Bayard-Alpert IG Sensor More info	2.0×10^{-11} to 1×10^{-3} Torr 2.7×10^{-11} to 1.3×10^{-3} mbar 2.7×10^{-9} to 1.3×10^{-1} Pa	B-RAX	Sensor only See B-RAX	None	None	None	None
CC605/CC606 	Cold Cathode Inverted Magnetron Sensor More Info	7.5×10^{-11} to 3.75×10^{-3} Torr 1.0×10^{-10} to 5×10^{-3} mbar 1.0×10^{-8} to 5×10^{-1} Pa	B-RAX	Sensor only See B-RAX	None	None	None	None
CVG101 Worker Bee™ 	Convection Enhanced Pirani More info	1.0×10^{-4} to 1,000 Torr 1.3×10^{-4} to 1,333 mbar 1.3×10^{-2} Pa to 133 kPa	VGC301 B-RAX	Sensor only See VGC301 or B-RAX	None	None	None	None
B-RAX™ 3000 Series 	3 Channel Controller - operates 1 IG and 2 CG or 1 IG, 1 CG and 1 CDG More info	2.0×10^{-11} to 1,000 Torr 2.7×10^{-11} to 1,333 mbar 2.7×10^{-9} Pa to 133 kPa	N/A	3 Channel OLED	Torr, mbar, Pa	3	6	RS232 & RS485
VGC301 	Single Channel Convection Gauge Controller for CVG101 More info	1.0×10^{-4} to 1,000 Torr 1.3×10^{-4} to 1,333 mbar 1.3×10^{-2} Pa to 133 kPa	N/A	1 Channel OLED	Torr / mTorr bar / mbar Pa / kPa	1	2	RS232 & RS485
AGC302 	Single Channel Active Gauge Controller For all Modules More info	Dependent on active gauge connected	N/A	1 Channel OLED	Torr, mbar, Pa	1	2	RS232 & RS485



InstruTech®
 1475 S. Fordham St.
 Longmont, CO 80503
 USA

Phone +1-303-651-0551
 Fax +1-303-678-1754
 E-mail info@instrutechinc.com
 Web www.instrutechinc.com

Updated April 2022