









## InstruTech Quick Product Overview

Model	Vacuum Gauge Type	Measurement Range	Controller	Display	Analog Output(s)	Set Point(s)	Digital/Output(s)	Compatibility
<b>B-RAX 3000 "Controller"</b> 	Ionization gauge controller	1x10E-9 to 1000 Torr 1.3x10E-9 to 1333mbar 1.3x10E-7Pa to 133KPa	Connects to IGM400 "Hornet" and "Worker Bee"	Front panel LCD setup screen 3 digits plus 2 digits exponent LED Units in Torr/mTorr, bar/mbar, Pa/Kpa	None.	3 Relays -SPDT	None	-
<b>IGM400 "Hornet"</b> 	Ionization gauge tube	1x10E-9 to 5x10E-2 Torr 1.3x10E-9 to 6.7x10E-2mbar 1.3x10E-7Pa to 6.7Pa	None: Connects to B-RAX3000 Controller	N/A	None-Raw sensor	None.	None.	Direct drop-in pin-pin plug – compatible for the GP* Micro-Ion® gauges
<b>IGM401 "Hornet"</b> 	Miniature Ionization	1x10E-9 to 5x10E-2 Torr 1.3x10E-9 to 6.7x10E-2 mbar 1.3x10E-7Pa to 6.7Pa	Built-in with Display	3 digits plus 2 digits exponent OLED Units in Torr/mTorr, bar/mbar, Pa/Kpa	(1) log-linear	1 Relays –SPDT	RS485 Open Collector transistor for degas and filament on/off	Direct drop-in pin-pin plug – compatible for the GP* Micro-Ion® gauges
<b>IGM402 "Hornet"</b> 	Miniature Ionization with Dual Convection- Operates one built-in ionization gauge and two Convection gauges	1x10E-9 to 1000 Torr 1.3x10E-9 to 1333mbar 1.3x10E-7pa to 133KPa	Built-in with Display	3 digits plus 2 digits exponent OLED Units in Torr/mTorr, bar/mbar, Pa/Kpa	(3) log-linear	3 Relays –SPDT	RS485 Open Collector transistor for degas and filament on/off	Direct drop-in pin-pin plug – compatible for the GP* Micro-Ion® gauges. When used as a stand alone Ion gauge
<b>CVM211 "Stinger"</b> 	Convection Module	1x10E-4 to 1000Torr 1x10E-4 to 1333mbar 1x10E-2Pa to 133KPa	Built-in with Display	3-digit LED Units in Torr/mTorr, bar/mbar	(1) log-linear Or (1) non-linear (GP* – S curve)	1 Relays -SPDT	None.	Direct drop-in pin-pin plug – compatible for the GP* Mini-Convectron® Modules
<b>CVM201 "Super Bee"</b> 	Convection Module	1x10E-4 to 1000Torr 1x10E-4 to 1333mbar 1x10E-2Pa to 133KPa	Built-in with Display	4-digit LCD Units in Torr/mTorr, bar/mbar, Pa/KPa	(1)linear and (1)log-linear Or (1) non-linear (GP* – S curve)	2 Relays -SPDT	RS485+RS232	Direct drop-in pin-pin plug – compatible for the GP* Mini-Convectron® Modules
<b>VGC301 "Controller"</b> 	Convection Gauge Controller	1x10E-4 to 1000Torr 1x10E-4 to 1333mbar 1x10E-2Pa to 133KPa	Connects to "Worker Bee" or GP Convectron	4-digit LCD Units in Torr/mTorr, bar/mbar, Pa/KPa	(1)linear and (1)log-linear Or (1) non-linear (GP* – S curve)	2 Relays –SPDT	RS485+RS232	Connects to InstruTech Worker Bee or existing GP* Convectron®
<b>CVG101 "Worker Bee"</b> 	Convection Gauge Tube	1x10E-4 to 1000Torr 1x10E-4 to 1333mbar 1x10E-2Pa to 133KPa	None: Connects to VGC301 Controller or existing GP Controller	N/A	None-Raw sensor only GP Convectron® equivalent	None.	None.	Direct drop-in pin-pin plug –compatible for the GP* Convectron® gauges

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