

MODEL 201 MultigaUGE

Highly configurable multigaUGE controller for wide range accuracy or multiple vessels and VLC regulation

Specifications

Range	.001-760
Units:	Torr, mBar or kPa
Vac Interface:	1/8 inch MNPT or KF/NW
Sensor:	Varian 531, CM, Active
Sensor cable length:	10 feet
Display:	.38 inch high 6 Digit Red LED
Dimensions:	1.7" high, 3.52" wide, 5.35" deep
Analog output:	(if applicable): 0-5 VDC
Power:	100-240VAC 50/60 Hz CE rated
Controls:	7 Amp, 250 Volt (If Applicable)
Mounting:	1/8 DIN or Bench Top

Vacuum instrumentation with everything you need to go to work

Each DIGIVAC vacuum gauge includes:

- A vacuum gauge controller
- A cable to connect the vacuum gauge controller to the thermocouple vacuum gauge tube
- An AC adapter that runs on 100-230VAC, 50/60 Hz with line cord adapter
- Pre-tested under actual vacuum against a NIST standard



201 types of expansion boards possible to populate a total of 4 slots

Expansion Max Description

CM	3	Expansion board for use with a capacitance manometer or any supported active gauge
TC	3	Expansion board for use with a Varian 531 Thermocouple gauge tube
2C	2	Expansion board with 2 SPDT relay outputs (each output has Common, NC and NO)
VLC	1	Expansion board for use to enable upstream vacuum level control
Eth	1	Expansion board to enable Ethernet connectivity and web management

Types of Sensors supported

Expansion Sensor

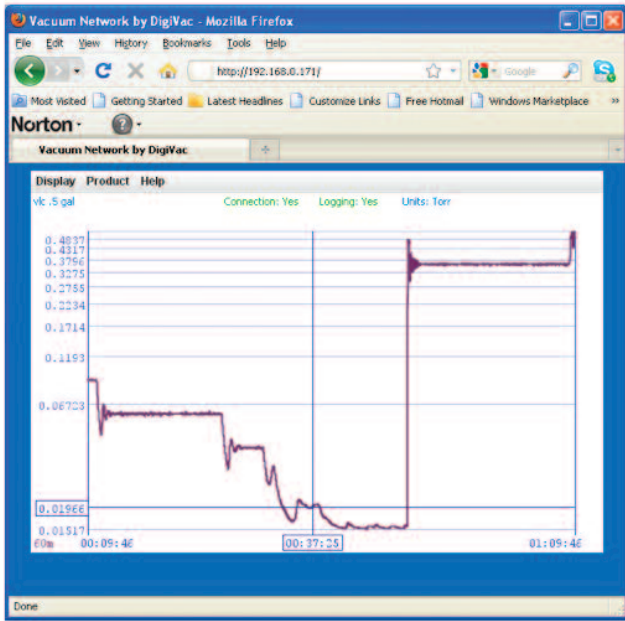
CM	Total of 1, 2 or 3 Setra or MKS capacitance manometers, PCG 750, PVG500 or CDG 500
TC	Total of 1, 2 or 3 Varian 531 Thermocouple gauge tubes

Sensor combinations

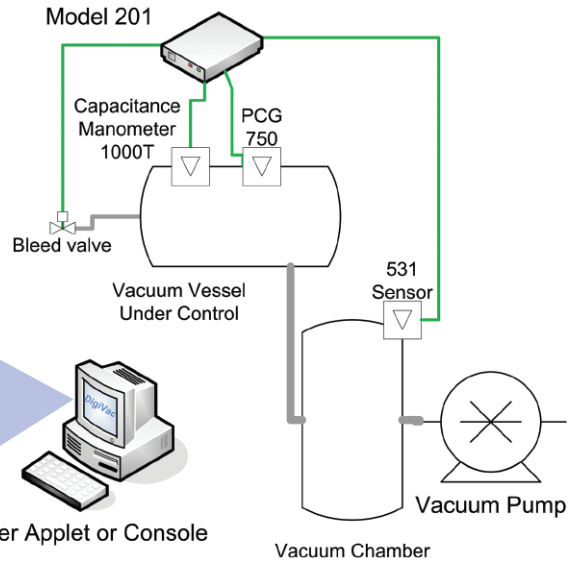
Driver Max Description

TC2	3	For use with a Varian 531 sensor. If multiple are configured, each slot can be displayed one at a time
1CP	3	For use with a CM sensor. If multiple are configured, each slot can be displayed one at a time
2CP	1	Combination where one value will be displayed based on the combination of a 0.1T and 10T CM, or the combination of a 10T and 1000T CM
3CP	1	Combination where one value will be displayed based on the combination of a 0.1T and 10T, and 1000T CM





Possible Configurations



Local User Applet or Console

Vacuum Chamber

The DIGIVAC Model 201 series is a highly configurable digital vacuum control instrument capable of driving and combining multiple sensors. This device can save space, money and complexity by combining many tasks into one device while enabling the user to have any level of accuracy desired for different ranges. It is a highly configurable gauge that accepts different inputs based on driver board and sensor election, and can have different outputs including Analog Recorder, RS232, Ethernet, SPDT relays and VLC outputs. The 201 is configured with sensors based on the accuracy and range required to sense vacuum and display the pressure reading in user selectable units of Torr, mBar or kilopascal. The DIGIVAC Model 201 can either be panel mounted or sit on a bench top, and can use thermocouple, capacitance manometer, PCG750, CDG500, or PVG500 sensors.

When purchased with the optional VLC control, the Model 215 VLC controls a vacuum level at a particular set point between 30 milliTorr and 2000 milliTorr. This vacuum level controller works on the principal of regulating the bleed of a vacuum vessel to atmosphere much like the way many freeze dryers do. The VLC option also has PID variables to enable the user to adjust the nature of the control.

