

# MODEL 215 V

Evolution of our best selling gauge -  
easier to use and even  
smoother operation

## Specifications

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

## Vacuum instrumentation with everything you need to go to work

Each vacuum gauge includes:

- A vacuum gauge controller
- A thermocouple vacuum gauge tube (vacuum sensor)
- 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



## Optional Features

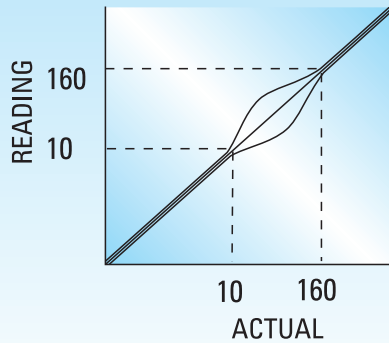
Options	Description
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<b>2C</b>	The ability to control an external device via 2 SPDT external connections at user specified setpoints
<b>5V5T</b>	Provides a voltage output proportional to vacuum reading which ranges from 0-5 volts at 1mV per mTorr (1 micron = 1mV, 5 Torr = 5 Volts)
<b>DS</b>	Software which collects and graphs vacuum data on a PC via RS232 or Ethernet - requires RS232 or Eth option
<b>Eth</b>	Ethernet connectivity to allow remote monitoring and logging to a web browser with our included ReAct software.
<b>RS232</b>	Enables vacuum measurement to be transmitted to a PC or another RS232 device through a DB9 female interface. Includes a 6 foot DB9 male to female serial cable
<b>NISTCal</b>	Calibration of a vacuum gauge against a NIST traceable standard with data



### MODEL 215 GAUGE ACCURACY:

- 0 to .009 Torr +/- 1 milliTorr
- 0.010 to 0.099 Torr +/- 7% of reading
- 0.100 to 0.999 Torr +/- 10% of reading
- 1.0 to 9.9 Torr +/- 15% of reading
- 10 to 160 Torr +/- 50% of reading
- 160 to 760 Torr +/- 25% of reading



### CONVERSION TABLE:

Microns	Torr
1	.001
5	.005
10	.010
50	.050
100	.100
500	.500
1000	1.00
5000	5.00
10000	10.0
100000	100.
760000	760.

**The model 215** is an enhanced version of our best selling model 200. It is simple to use and operates more smoothly. It measures vacuum through 6 decades of pressure from 1 milliTorr all the way up to 760 Torr, the same as the model 200 does. In addition, it allows you to select the units displayed: Torr, mbar or kPa. This unit comes with optional Ethernet, RS232, or analog output for integration into a PLC or computer that will allow the user to remotely monitor the unit. The 215 also can be ordered with 2 SPDT relays with type C contacts. Not only are the controls easy to set with the large tactile front buttons, an LED is illuminated when the individual set points are activated. The set points are designed intelligently to turn on and off a solenoid in a hardwired fail-safe manner. If the tube burns out, dashes are displayed and the relays instantly move to their safe or high pressure atmospheric setting. A Varian 531 gauge tube comes standard. Available in an international CE version which is configured with a Varian 536 Gauge tube.

