

MODEL 200 Pirani

Simple yet rugged gauge controller including Pirani tube with fast response and high accuracy

Specifications

Range	1-2000
Units:	microns/millitorr
Vac Interface:	1/8 inch MNPT or KF/NW
Sensor:	VRC Pirani
Specification Accuracy	+/- 3mT or 5% of reading
Sensor cable length:	10 feet
Display:	.56 inch high 3.5 Digit Red LED
Dimensions:	1.5" high, 4.25" wide, 5.5" deep
Analog output:	(if applicable): 0-5 VDC
Power:	100-240VAC 50/60 Hz CE rated
Controls:	7 Amp, 250 Volt (If Applicable)

Vacuum instrumentation with everything you need to go to work

Each vacuum instrument includes:

- A Pirani gauge tube (vacuum sensor)
- A thermocouple vacuum gauge tube (vacuum sensor)
- A cable to connect the vacuum gauge controller to the sensor
- 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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2C	The ability to control an external device via 2 SPDT external connections at user specified setpoints
5V5T	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)
DS	Software which collects and graphs vacuum data on a PC via RS232 or Ethernet - requires RS232 or Eth option
Eth	RJ45 Ethernet connectivity to allow remote monitoring of the vacuum reading and can log to a web browser
RS232	Enables vacuum reading to be logged to a PC or other device through a female DB9 interface Includes a 6 foot DB9 male to female serial cable
NISTCal	Calibration of a vacuum gauge against a NIST traceable standard with data
mbar	Displays vacuum reading in mbar

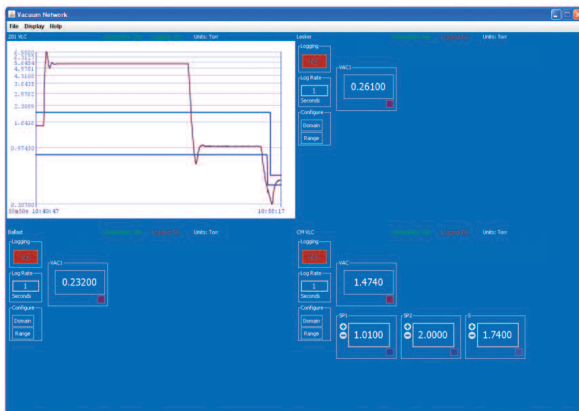


The Model 200 Pirani

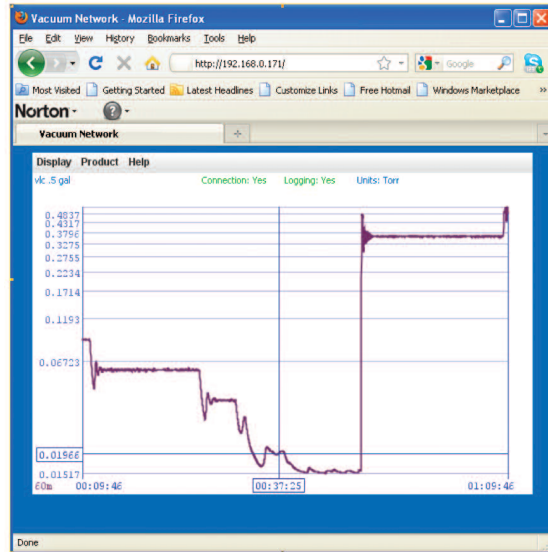
Can be accessed from across the hall
or across the planet when
configured with Ethernet



Multi-ReAct Software



ReAct Browser



The Model 200 Pirani is a full featured vacuum instrument that is fast, accurate and rugged. This unit builds on the engineering philosophy that made the Model 200 our best selling vacuum instrument: simple is best and robust is a must. The model 200 Pirani employs a VRC Pirani tube instead of a Varian 531 gauge tube. The instrument features large bright LEDs visible from across the room with a hard vinyl clad metal enclosure. This entry into our gauge line-up enables the user to choose yet another sensor option to best meet their vacuum requirements. The straight forward design yields a low power instrument that is simple to build and simple to operate. The low power feature reduces thermal effects to improve repeatability. Unlike many other Pirani gauges on the market, this unit has been recently redesigned with newer more reliable components to insure a long product life. The Model 200 Pirani can be ordered with optional control relays, analog output, and RS232 output to simplify integration with existing process controllers or computers. In addition, this device can be Ethernet enabled to allow monitoring via a web browser with our free ReAct browser software. Get access to your instrument from across the hall or across the world. All instruments leave our factory tested and calibrated under real vacuum against a NIST standard.

