

DigiVac Model 200

Wide Range Thermocouple Vacuum Gauge

Specifications	
Power:	100~240 VAC 50/60Hz
Vacuum Interface:	1/8" Male NPT
Sensor:	Varian 531
Range:	.001-760 Torr
Units:	Torr
Accuracy:	0.005 to 9.9 Torr +/- 15% of reading 10 to 160 Torr +/- 50% of reading 160 to 760 Torr +/- 25% of reading
Mount	Bench top
Wetted Parts:	Nickel, Copper, Constantan

Verify components

- ✓ Controller with LED Display
- ✓ Varian 531 vacuum sensor
- ✓ Cable that connects the controller with the 531 sensor
- ✓ Power Supply

Quick Install Instructions

- ✓ Plug controller into wall power, and verify the display lights up
- ✓ Plumb the Varian 531 sensor into your vacuum system, with the pipe threads facing down, and the octal pins facing up
- ✓ Connect the DB9 end of the sensor cable to the controller, and the octal end to the 531 sensor.

Check Readings

- ✓ Verify that the readings make sense. For example, a chamber exposed to atmosphere at sea level might have a reading of 600-760 Torr



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Calibration Points and Reference

Unit Types: DigiVac controllers with 0531 or 536 Thermocouple Vacuum Gauge Sensor Tube:
StrataVac, Bullseye Precision Gauge, Model 200, Model 810, Model 100V, Model 22W

All Instruments Are Calibrated Against A NIST Standard and Meet Or Exceed Tolerances

Primary Standards	S/N	Cal. Due	NIST std S/N	Type
FLUKE 87V	#33360112	05/2017	169622	RMS Multimeter
GP 375001-00-T	#375B0619	11/2017	000040343	Gauge, Convectron
SETRA 730G10	4803149	11/2017	000040343	Baratron, ABS Pressure

Reading (STD)	Tolerance	In Tolerance? Outgoing	Comments
1.0 mT	± 1 mT	Yes	Torr per Convectron
25.0 mT	$\pm 10\%$ RDG	Yes	Torr per Convectron
500 mT	$\pm 10\%$ RDG	Yes	Torr per Convectron
1.00 Torr	$\pm 15\%$ RDG	Yes	Torr per Baratron
25.0 Torr	$\pm 50\%$ RDG	Yes	Torr per Baratron
600 Torr	$\pm 25\%$ RDG	Yes	Torr per Baratron

Standards and instruments used in the performance of calibrations by the DigiVac Company are maintained in current calibration in an unbroken chain back to the standards maintained by the National Institute of Standards and Technology (N.I.S.T., Gaithersburg, MD, USA).

Formal NIST Certification with Data of a Particular Gauge is Available at an Additional Charge

For Full Instruction Manual:

<http://www.digivac.com/wp-content/uploads/2013/09/200-200P-801.pdf>

