

DigiVac Model 22W

Ultra Compact Vacuum Transmitter

Specifications	
Power:	110-220 Volt AC
Vacuum Interface:	1/8" Male NPT
Sensor:	Varian 531
Range:	.001-760 Torr
Units:	Torr
Accuracy:	1 to 99 millitorr ± 2 millitorr or 20 % 100 to 2,000 millitorr ± 10 % 2 to 6 torr ± 25 % 6 to 760 Torr Continuous & monotonic
Mount	Benchtop
Wetted Parts:	Nickel, Copper, Constantan

Verify components

- ✓ Controller with LCD Display
- ✓ Varian 531 vacuum sensor
- ✓ Power Supply
- ✓ Output Cable

Quick Install Instructions

- ✓ Plumb the vacuum gauge tube into your vessel
- ✓ Plug in the 22W on top of the gauge tube
- ✓ Run the AC Adapter wire provided to the gauge

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



DigiVac Model 22W

Calibration Points and Reference

Unit Types: DigiVac controllers with 0531 or 536 Thermocouple Vacuum Gauge Sensor Tube:
Strata Vac, Bullseye Precision Gauge, Model 200, Model 801, Model 100V, and 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	#21430197	07/2014	1367427845	RMS Multimeter
GP 375001-00-T	#375B0619	09/2014	000040312	Gauge, Convectron
SETRA 730G10	4803149	09/2014	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/2013/10/Model-22W.pdf>

