

## DigiVac Model 100H

Battery Operated, Digital Vacuum Instrument

Specifications	
<b>Power:</b>	<b>D Battery</b>
<b>Vacuum Interface:</b>	<b>1/8" Male NPT</b>
<b>Sensor:</b>	<b>Hastings DV-6M</b>
<b>Range:</b>	<b>1-1999 microns</b>
<b>Units:</b>	<b>mTorr, uBar or Pa</b>
<b>Accuracy:</b>	<b>1.0mT – 25mT ± 1mT</b> <b>25mT – 500mT ± 10% of reading</b> <b>500mT – 1000mT ± 15% of reading</b>
<b>Mount</b>	<b>Portable</b>
<b>Wetted Parts:</b>	<b>Gold Alloy, Platinum Alloy, Glass, 304SS, 52 Alloy, Ni Coated Mild Steel</b>
<b>Output:</b>	<b>5 Volts</b>
<b>Set Points:</b>	<b>250VAC and 7Amp</b>

### Verify Components

- ✓ Controller with LCD Display
- ✓ Hastings DV-6M vacuum sensor
- ✓ Cable that connects the controller with the 531 sensor

### Quick Install Instructions

- ✓ Install a D Battery (not included) in the controller, flip the switch, and verify that the display lights up
- ✓ Plumb the Hastings DV-6M sensor into your vacuum system, with the pipe threads facing down, and the octal pins facing up
- ✓ Connect the D-sub end of the sensor cable to the controller, and the octal end to the DV-6M sensor

### Check Readings

- ✓ Verify that the readings make sense. For example, a chamber exposed to atmosphere might have a reading of 1999 microns.



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### Calibration Points and Reference

**Unit Types:** DV-6M, DV6R, or DV-36 Thermocouple Vacuum Gauge Sensor Tube: Field Analysis Vacuum Meter, 215H, 100H

*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	Microns
25.0 mT	+ 10% RDG	Yes	Microns
100 mT	+ 10% RDG	Yes	Microns
500 mT	+ 10% RDG	Yes	Microns
1000 mT	+ 15% RDG	Yes	Microns

*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/2013/10/100V-H.pdf>



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