

# MODEL 100V

**Battery Operated, Wide Range Digital Vacuum Instrumentation measuring in mTorr, mBar and kPa**

## Specifications

<b>Range</b>	.001-760
<b>Units:</b>	Torr, mBar or kPa
<b>Vac Interface:</b>	1/8 inch MNPT
<b>Sensor:</b>	Varian 531, Hastings DV-6M, or KJL6000
<b>Sensor cable length:</b>	10 feet
<b>Display:</b>	.70 inch high 3.5 Digit LCD display
<b>Dimensions:</b>	2.37" high, 5.12" wide, 5.25" deep
<b>Power:</b>	"D" Battery

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

Each DIGIVAC 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
- Pre-tested under actual vacuum against a NIST standard



## Optional Features

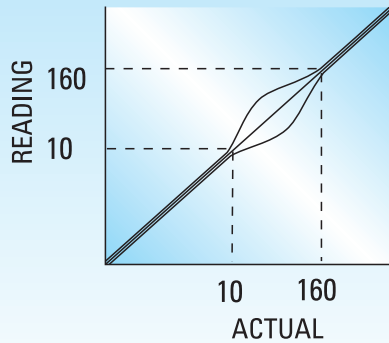
**Options      Description**

<b>NISTCal</b>	Calibration of a DIGIVAC vacuum gauge against a NIST traceable standard with data
<b>Length</b>	Standard 10 foot cable length with optional 40 feet of additional cable length priced per foot
<b>Case</b>	DIGIVAC carrying case for conveniently carrying vacuum gauge controller and associated gear
<b>Hast</b>	Hastings DV-6M tube instead of Varian 531 tube. Units change from Torr, mBar, kPa to mTorr, microbar and Pa with a maximum reading of 1999 milliTorr
<b>KJL6000</b>	Lesker KJL6000 tube instead of Varian 531 tube. Units change from Torr, mBar, kPa to mTorr, microbar and Pa with a maximum reading of 1999 milliTorr



### DIGIVAC MODEL 100V 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 DIGIVAC Model 100V** is a portable digital vacuum instrument that reads from 1 milliTorr ( $1 \times 10^{-3}$  Torr) up to 760 Torr when ordered with a Varian 531 tube (the base configuration). This gauge is ideal for the person that needs wide range accuracy, but requires the rugged portability and ease of use that this battery powered gauge offers. It can be easily switched between Torr, mBar or kPa pressure units on the fly with a simple press of a switch. The unit can also be configured with either a Hastings DV-6M or a KJL6000 tube by choosing the "Hast" or "KJL6000" option when ordering. When choosing the alternative tube, the range is from 1-1999 milliTorr, and the units are switched between milliTorr, microbar and Pascals. This instrument comes in a rugged case and uses a "D" type of battery to increase battery change intervals.

