

# MODEL 22W

## Ultra Compact Vacuum Transmitter

### Specifications

<b>Range</b>	.001-760
<b>Units:</b>	Torr or mbar
<b>Vac Interface:</b>	1/8 inch MNPT or KF/NW
<b>Sensor:</b>	Varian 531 or 536
<b>Display:</b>	16 digit character display
<b>Dimensions:</b>	1.6" x 1.8" x 2.4"
<b>Analog output:</b>	(if applicable): 0-5 VDC
<b>Power:</b>	100-240VAC 50/60 Hz CE rated

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

Each vacuum gauge includes:

- A vacuum gauge controller
- A thermocouple vacuum gauge tube (vacuum 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

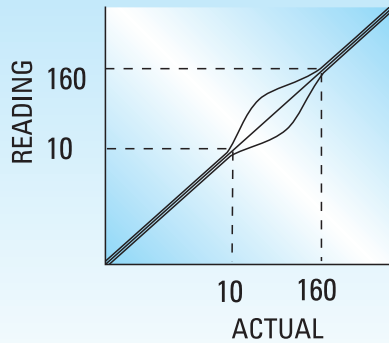
Options	Description
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<b>5V5T</b>	Provides a voltage output proportional to vacuum reading which ranges from 0-5 volts at 1mV per mTorr (1 micron = 1mV, 5 Torr = 5 Volts)
<b>DS</b>	Software which collects and graphs vacuum data on a PC via RS232 or Ethernet - requires RS232 or Eth option
<b>LBD</b>	A Linear by Decade scheme where the leading digit is scale, and the last digit is the vacuum reading. For example: 0.995 Volts = 0.995 Torr, 1.010V = 10.1T, 2.1V = 100T, and 3.760V = 760T
<b>RS232</b>	Enables vacuum measurement to be transmitted to a PC or another RS232 device through a DB9 female interface. Includes a 6 foot DB9 male to female serial cable
<b>NISTCal</b>	Calibration of a vacuum gauge against a NIST traceable standard with data
<b>mbar</b>	Displays vacuum reading in mbar
<b>LCD</b>	Blue backlit 2 x 8 character display



### MODEL 22W 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.

Big results CAN come in small packages. When you need a vacuum transmitter (thermocouple gauge and controller) for tight spaces... the **Model 22W** is for you. No mounting is required. The simple and efficient design with no moving parts gives you a durable and reliable gauge like no other. Unlike other vacuum transmitters on the market, the gauge can be field replaced allowing a longer transmitter life.

The Model 22W measures from 1 micron ( $1 \times 10^{-3}$  Torr) all the way up to 760,000 Microns (760 Torr) or Atmosphere. Since this gauge measures through the full range of rough vacuum, you can easily pinpoint either gross or fine process errors or leaks. The Model 22W has a compact electronic package that fits well right on top of the vacuum gauge tube. Therefore, there is no need to take up valuable benchtop or panel space. To get the vacuum process telemetry you require, simply:

- Plumb the vacuum gauge tube in to your vessel
- Plug in the 22W on top of the gauge tube
- Run the low voltage power wire provided to the gauge
- Run the optional digital signals

It is available with an optional output vacuum reading to an RS232 serial and or LCD display. The RS232 output can be used to graph and plot historical data with the DigiVac plotting software, and as a vacuum transmitter to a PLC or other device.

