MODEL 276

Super Accurate and Economical Dual Sensor Technology from 1 milliTorr to 760 Torr

Specifications

Range	.001-760
Units:	Torr
Vac Interface:	1/8 inch MNPT or KF/NW
Sensor:	276T
Sensor cable length:	10 feet
Display:	.56" high 3.5 Digit Red LED
Dimensions:	1.5" high, 4.25" wide, 5.5" deep
Analog output:	(if applicable): 0-5 VDC
Power:	100-240VAC 50/60 Hz CE rated
Controls:	7 Amp, 250 Volt (If Applicable)

Vacuum instrumentation with everything you need to go to work

Each DIGIVAC vacuum instrument includes:
- A vacuum gauge controller
- A vacuum sensor
- A cable to connect the vacuum gauge controller to the thermocouple vacuum gauge tube
- An AC adapter that runs on 100-230VAC, 50/60 Hz with line cord adapter

All are pre-tested under actual vacuum against a NIST standard
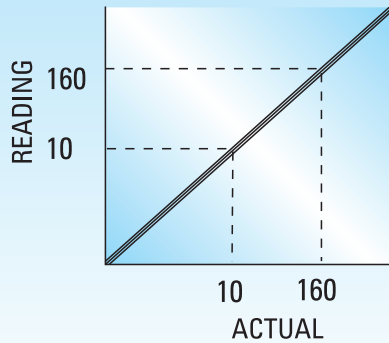

Optional Features

Options	Description
2C	The ability to control an external device via 2 SPDT external connections at user specified setpoints
5V5T	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)
DS	DIGIVAC software which collects and graphs vacuum data on a PC via RS232 or Ethernet - requires RS232 or Eth option
Eth	RJ45 Ethernet connectivity to allow remote monitoring of the DIGIVAC vacuum reading and can log to a web browser
RS232	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
NISTCal	Calibration of a DIGIVAC vacuum gauge against a NIST traceable standard with data
mBar	Displays vacuum reading in mBar
PrintPlot	Printer that displays a graphical plotted output when connected to the model 276
Length	Standard 10 foot cable length with optional 40 feet of additional cable length priced per foot

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DIGIVAC MODEL 276 GAUGE ACCURACY:

0 to .009 Torr +/- 1 milliTorr
0.010 to 0.099 Torr +/- 7% of reading
0.100 to 2.5 Torr +/- 10% of reading
2.5 to 20 Torr + /- .5 Torr
21 to 400 Torr +/- 2.0 Torr
401 to 760 Torr +/- 1 Torr

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 276 produces reliable, consistent accuracy from 1 milliTorr through 760 Torr (atmospheric pressure). The 276 leverages dual sensor technology that has the unique ability to accurately measure through the entire rough vacuum range from 1 milliTorr through 760 Torr. This instrument builds on the simplicity and success of our best selling vacuum gauge - the Model 200. We do this through a seamless combination of sensing technologies integrated into a single easy to use bench top unit. The Model 276 is the same size as the Model 200; however the Model 276 adds high accuracy in the Torr ranges and accuracy approaching a capacitance manometer in the range of 10 Torr to 760 Torr/Atmosphere. This unit is also available with the ability to log to a web page, Ethernet connectivity, RS232 communications, PC software that displays, plots and logs, and an analog recorder out. The 276 is also less sensitive to the composition of gasses since it uses piezoelectric transducer technology in the Torr range.

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