

HYVAC[™] PRODUCTS, INC.

MAIL: P.O. BOX 389 • PHOENIXVILLE, PA • 19460-0389 • U.S.A.

PLANT: 201 NORTH 5TH AVENUE • ROYERSFORD, PA • 19468 • U.S.A.

610-792-0500 PHN • 610-792-0600 FAX

EMAIL jeff@hyvac.com

INTERNET [HTTP://WWW.HYVAC.COM](http://WWW.HYVAC.COM)

HyVac WR-100 Wide Range Digital Thermocouple Gauge Data Sheet

Bench Mount / Panel Mount with optional controls

HyVac has a new wide range vacuum gauge that scales from atmospheric pressure to 10⁻⁴ Torr. The HyVac Model WR-100 Digital Vacuum Gauge is a great gauge for users wishing to watch the vacuum pressure drop from atmosphere to the rough and high vacuum ranges. This provides benefits over traditional thermocouple gauges that only start to scale after the 29" of mercury vacuum mark has been reached. Because of this fact, the user does not now need a bourdon tube gauge or other additional gauge to monitor these pressure ranges on initial pump down.



The Model WR-100 is bench mounted while the Model WR-100P is designed for panel mounting in customers' equipment using the included panel mounting bracket.

The WR-100P is also available with one or two control outputs. Either model can be ordered with an optional RS-232 serial port.

The gauge tube transducer employed in the system uses a standard 1/8" MNPT fitting for system attachment. It should be mounted within 10 degrees of vertical.

The Model WR-100P comes with a switching regulator power supply that can be connected to either 115 or 220 VAC, 50/60 hz. The Model WR-100 is by default supplied for 115 VAC.

There is a terminal strip on the back of the panel mount gauge allowing for a variety of relay outputs and for gauge power. Note: not all WR-100P units have control outputs. The outputs available are SPDT, 250 VAC, 7 amps. The normally open contacts close once the vacuum setpoint is reached.

At atmosphere, the unit reads 760 Torr. A visible decimal point indicates that the unit is reading in Torr.

As pressures are decreased toward full vacuum, the unit's readings will shift to 99.0, 9.99, and finally to 999. When no decimal points are visible, the unit is reading in millitorr or microns of mercury vacuum.



Features and Options:

The panel mount gauge comes with two adjustable setpoints.

RS-232 Output is also available and can be supplied for

external data logging. The output can be seen on any computer with a serial port. For example, any PC running Windows Terminal or Hyperterm will show the output. For special applications, such as logging of data, HyVac offers custom Visual Basic Applications which log data at selected intervals, and provide a high resolution plot of the data on a black and white or color printer.

On special order, analog outputs (for driving strip chart recorders and similar equipment) are available.

If the gauge is to be used in a neon sign processing facility, it must be installed with a stopcock or a solenoid valve to protect it from exposure to the system and possible damage during high voltage bombarding.

Please direct purchase inquiries to:

HyVac Products Inc.

1-800-628-0850 Toll Free

1-610 792-0500 Phn

1-610-792-0600 Fax

Website <http://www.hyvac.com>

HyVac Products manufactures a complete line of vacuum gauges and computers. Contact us or your distributor if you wish further information. See our website www.hyvac.com for our latest offerings