DESCRIPTION
Suitable for field or laboratory use, the Series VG Digital Vacuum Gage delivers high precision at a low price. It can accurately read vacuum from 12 microns down to 0 and has a wide temperature range. The large LCD can be displayed in user selectable units, milliTorr, PSI, MilliBars, Inches of Hg, and pascals. The gage features a cleanable sensor, auto shut-off, a built-in hanger and operates with a standard 9 volt battery.

UNDERSTANDING THE DISPLAY
- When the vacuum reading is above 12,000 Microns (1,600 Pascals), the first line of the display shows “Atm”. The second line displays a bar graph to indicate the direction in which the vacuum is moving. When the bar graph is moving from left to right, the pressure is increasing. When the bar graph is moving from right to left, the pressure is decreasing. The speed of the bar graph indicates how fast the pressure is increasing or decreasing. The bar graph indicator may be inaccurate for a few seconds after the evacuation of the system has begun.
- The bar graph disappears if the vacuum does not change for about 10 seconds.
- When the vacuum reading is below 12,000 Microns (1,600 Pascals), the vacuum in the selected units is displayed.

CONNECTING THE VG12 TO THE VACUUM SYSTEM
The VG12 should only be connected to the vacuum system at the vacuum port. The “Auxiliary Port” is primarily for cleaning and should normally be closed using the supplied cap.

PHYSICAL DATA
Vacuum Range: 0-12,000 Microns, (0-1600 Pascals) with vacuum increasing/decreasing bar graph indicating when above 12,000 microns.
Accuracy: ±10% of FS.
Overpressure: 300 psi max. (20 bar).
Operating Temperature Range: 35 to 125°F (2-52°C).
Sensor Type: Thermistor.
Pressure Connection: Standard 1/4” flare fitting.
Housing: ABS plastic.
Power Supply: Standard 9 volt battery.
Auto Shut-off: After 10 minutes when vacuum is reading above 12,000 Microns.
Weight: 6.7 oz. (123 g).

CLEANING THE VG12 VACUUM SENSOR
It is recommended that the VG12 sensor be cleaned periodically to maintain accuracy. Oil and other contaminants reduce the accuracy of the VG12 unit. Follow the instructions below for cleaning the instrument.
- Close the vacuum port with the supplied cap. Then, open the auxiliary port.
- Using an eyedropper, pour about two teaspoons of ordinary rubbing alcohol into the auxiliary port.
- Close the auxiliary port with the supplied cap. Both the vacuum and auxiliary ports should now be closed.
- Shake the VG12 unit for about 10 seconds. A slight movement of the vacuum sensor in the housing is normal and does not affect the internal connection in any way.
- Open both the vacuum and the auxiliary ports. Empty the alcohol and allow the sensor to air dry.
- Close both the vacuum and auxiliary ports with the supplied caps when the unit is not in use. This prevents any contamination to the sensor.

©Copywrite Dwyer Instruments, Inc