VG-64
DIGITAL VACUUM GAUGE

FEATURES

- Ultra fine resolution (as low as 1 Micron)
- ½ second response time
- Auto shut off
- Convenient built in hanger
- Easy access cleaning port

SPECIFICATIONS

Sensor Type	Thermistor
Connector Type	Standard ¼ inch male flare fitting.
Vacuum Range	0 – 12,000 Microns (0 – 1,600 Pascals) with vacuum increasing/ decreasing indicator when above 12,000 Microns
Scale	Microns, PSI, InHg, milliBars, Pascals, Torr, milliTorr
Resolution	0-200: 1 Micron 201-500: 5 Microns 501-1,000: 10 Microns 1,001-2,000: 50 Microns 2,001-5,000: 250 Microns 5,001-8,000: 500 Microns 8,001-12,000: 1,000 Microns
Operating Temp.Range	35°F to 125°F (2°C to 52°C)
Overpressure	500 PSI maximum
Accuracy	+/-10% (100 to 1000 microns)
Power Source	9 Volt Alkaline Battery
Battery Life	Over 35 Hours
Auto Shutoff	After 10 minutes when vacuum reading is above 12,000 Microns (12 Torr)
Weight	6.7 ounces
Dimensions	5½ H X 3 W X 1¼ D

HVAC/R Service Products

REFCO

VG-64

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HVAC/R Service Products

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Digital Vacuum Gauge
Vakuummessgerät
Vacuomètre

VG-64

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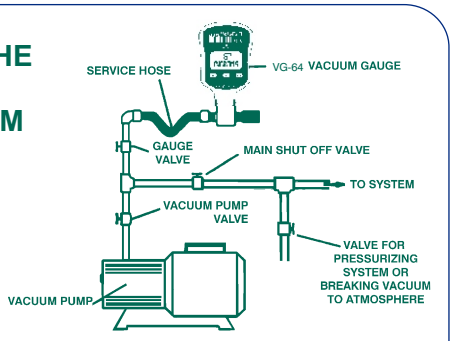
OPERATING CONTROLS

- Turning the vacuum gauge ON: Press and hold the ON button for approximately 3 seconds, until the display appears.
- Turning the vacuum gauge OFF: Press the OFF button. To prolong battery life, when vacuum reading is above 12,000 Microns for approximately 10 minutes, the VG-64 will automatically turn OFF.
- Changing the scale: Press the Scale button to change the display to the next scale. The scale order is: Microns, PSI, Inches of mercury (InHg), milliBars, Pascals, Torr and milliTorr. The VG-64 will keep the scale settings even if the power is turned OFF.

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 approximately 10 seconds.
- When the vacuum reading is below 12,000 Microns (1,600 Pascals), the vacuum in the selected units is displayed.

CONNECTING THE VG-64 TO THE VACUUM SYSTEM



The VG-64 should be connected to the vacuum system at the vacuum port. The "Auxiliary Port" is primarily for cleaning And should normally be closed with the supplied cap. It is possible to connect the VG-64 in-line, however it may restrict flow and increase the evacuation time.

CLEANING THE VG-64 VACUUM SENSOR

It is recommended that the VG-64 sensor be cleaned periodically to maintain unit accuracy. Oil and other contaminants reduce the accuracy of the VG-64 unit. Follow the instructions below for cleaning.

- Close the vacuum port with the supplied cap. Open the auxiliary port.
- Use an eyedropper to pour approximately 2 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 VG-64 unit for approximately 10 seconds. A slight movement of the vacuum sensor in the case is normal and does not affect the internal connection in any way.
- Open both the vacuum and the auxiliary ports. Empty the alcohol and air dry the sensor.
- Close both the vacuum and the auxiliary ports with the supplied caps when the VG-64 is not used. This prevents contamination of the sensor.

CHECKING HVAC SYSTEMS FOR LEAKS

When checking a system for leaks use only copper tubing and a vacuum proof valve. Generally standard hoses will not hold a vacuum. If using the blank-off valve on the vacuum pump check it for leaks periodically. At the beginning of the test the VG-64 reading may increase due to a system equalization. The vacuum reading should hold after a minimum of 5 minutes. If the reading continues to increase it may indicate a leak in the system.