

# VACUUM SENTRY

Combining unmatched performance with ultimate productivity, The Vacuum Sentry (VG640 Series) guards system service activity and provides notification when pre-set alarm thresholds are reached. Choose from the VG640 with local audible and visual alarms or the VG640T which adds the remote alarm receiver (R100) with audible, visual and vibration alarms.

## Features / Benefits

- Unmatched Resolution (as low as 0.5 micron)
- ½ Second Response Time (update rate)
- Backlit LCD
- Local Audible and Visual Alarm
- Radio Frequency (RF) Transmission Signal
- Auto Shut Off
- Built-in Hanger
- User Addressable Remote Alarm(R100) available
- One Year Warranty

## Applications

- Vacuum Measurements During System Evacuation
- Measurements to Confirm System Leaks
- High Precision Laboratory Tests

## Models

<b>VG640</b>	Vacuum Sentry with Local Alarms, R100 compatible (not included)
<b>VG640T</b>	Vacuum Sentry with Local Alarms & Remote Alarm (R100 included)
<b>R100</b>	Remote Alarm receiver (Audible, Visual & Vibration)

MADE IN THE  
**USA**



"Green" Backlight



"Red" Indicates Alarm Condition



Front (R100)



Integrated Belt Clip

### Application Note

While the technician is servicing another system, the VG640/VG640T can send a signal to the remote alarm (R100) up to 400 feet away.

## VG640/VG640T Specifications

<b>Sensor Type</b>	Thermistor																		
<b>Connector Type</b>	Standard ¼ inch male flare fitting.																		
<b>Vacuum Range</b>	0 – 19,000 Micron (0 – 2,600 Pascal).																		
<b>Resolution</b>	<table border="1"> <thead> <tr> <th>Measurement Range</th> <th>Resolution</th> </tr> </thead> <tbody> <tr> <td>0-140:</td> <td>0.5 Micron</td> </tr> <tr> <td>140-400:</td> <td>1 Micron</td> </tr> <tr> <td>400-800:</td> <td>2 Micron</td> </tr> <tr> <td>800-2000:</td> <td>5 Micron</td> </tr> <tr> <td>2000-6000:</td> <td>20 Micron</td> </tr> <tr> <td>6000-9000:</td> <td>100 Micron</td> </tr> <tr> <td>9000-16000:</td> <td>200 Micron</td> </tr> <tr> <td>16000-19000:</td> <td>1000 Micron</td> </tr> </tbody> </table>	Measurement Range	Resolution	0-140:	0.5 Micron	140-400:	1 Micron	400-800:	2 Micron	800-2000:	5 Micron	2000-6000:	20 Micron	6000-9000:	100 Micron	9000-16000:	200 Micron	16000-19000:	1000 Micron
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<b>Units</b>	Micron, milliBar, Pascal, Torr, milliTorr																		
<b>Accuracy</b>	+/-10% or +/-10 Micron, whichever is larger (50 to 2000 Microns) at 75°F																		
<b>Update Rate</b>	0.5 sec.																		
<b>Alarm</b>	Audible and visual alarm for high and low vacuum																		
<b>Remote Alarm (R100)</b>	Up to 400ft* remote audible, visual and vibrating alarm for high and low vacuum																		
<b>Alarm Volume</b>	87 dB for both unit and remote																		
<b>Operating Temperature Range</b>	0°F to 150°F ( -17°C to 65°C)																		
<b>Overpressure</b>	800 PSI max (55 Bar)																		
<b>Power Source</b>	3 AA Batteries																		
<b>Battery Life</b>	600 Hours continuous usage, with battery indicator.																		
<b>Auto Shutoff</b>	8 hours when alarms are active. When alarms are disabled: <ul style="list-style-type: none"> <li>• 10 minutes when vacuum reading is above 19,000 Microns</li> <li>• 1 hour when vacuum reading is below 19,000 Microns</li> </ul>																		
<b>Weight</b>	6 oz																		
<b>Dimensions</b>	5.5" H X 2.75" W X 1.5" D																		

\*Distance is measured when the remote receiver is within a direct line of sight of the VG640/VG640T. Obstructions between the remote and the VG640/VG640T can reduce this distance.

## R100 Remote Alarm Receiver Specifications

<b>Distance from VG640/VG640T</b>	Up to 400 ft*
<b>Alarm</b>	Audible, visual and vibrating alarm
<b>Alarm Volume</b>	87 dB
<b>Operating Temperature Range</b>	-20°F to 160°F (-28°C to 70°C)
<b>Power Source</b>	9 V Battery
<b>Battery Life</b>	45 Hours continuous usage, with low battery audible indicator.
<b>Weight</b>	3 oz
<b>Dimensions</b>	5.0" H X 2.5" W X 1.0" D

\*Distance is measured when the remote receiver is within a direct line of sight of the VG640/VG640T. Obstructions between the remote and the VG640/VG640T can reduce this distance.



## VGC

### Vacuum Gauge Coupler

Insures leak free connection to vacuum gauge during measurement.

## MORE PRODUCT CHOICES

### VG64S Single Port Digital Vacuum Gauge



### VG64 Digital Vacuum Gauge



With resolution as low as 1 micron and 1/2 second response time, the VG64 provides accurate measurements, FAST. It makes evacuating a system EASY.

#### Features/Benefits

- Ultra Fine Resolution (as low as 1 Micron)
- 1/2 Second Response Time
- Auto Shut Off
- Built in Hanger
- Easy Access Cleaning Port
- Measures Vacuum in 7 International Units

#### Accessories

<b>VGC</b>	Vacuum Gauge Coupler
<b>10475</b>	120 Volt AC Adapter
<b>10740</b>	Vinyl Case