Summit Research SVG-1 Bluetooth Application Manual

Features	Benefits
Easily monitor current vacuum readings on phone or tablet	Connects technicians, operators, and engineers to the vacuum process
Graphs vacuum readings over time	Helps to better understand system states and trends at a glance
Share vacuum data and graphs via email or www.vacuumnetwork.org	Can monitor gauges in real time from anywhere in the world and provide an audit trail

Below is a short description on how to use the Vacuum Gauge Application with your Bullseye Precision Gauge™.
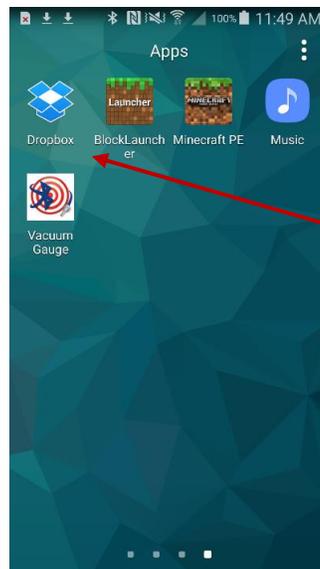
Getting Started

First open the Vacuum Gauge App on your device by touching the Bullseye icon.

Connecting the Gauge to the App

This is the first screen you will see when you open the application. To connect your Bullseye Precision Gauge™ to the application, you will need to press the Bluetooth signal button on the app. (Be sure your gauge is turned on before attempting to connect it to the application.) The app should search and find your device.
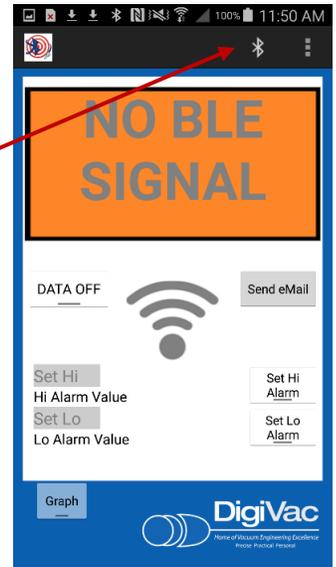
Exploring the Menu Tab

Now you should start to see a reading on your app. You may choose units of microns, millitorr, Torr, mbar, Pa, Feet, or in. of Hg depending on your preference. Press the menu tab to change.
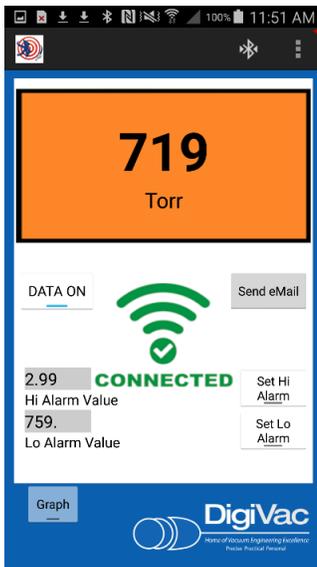
When you press the menu tab, not only do you get measurement options, but you also get variable logging intervals, such as: 1 sec, 1 min, and 1 hour as well as an option to clear all data cache so your log is current, share with the DigiVac Cloud, and graph left to

Units

File

millitorr

microns

Torr

mbar

Pa

Feet

Inches Mercury

Collect Data 1/sec ○

Collect Data 1/min ○

Collect Data 1/hr ◉

DASH OFF

2.9
Hi Alarm
759.
Lo Alarm Val

Graph

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Only the best
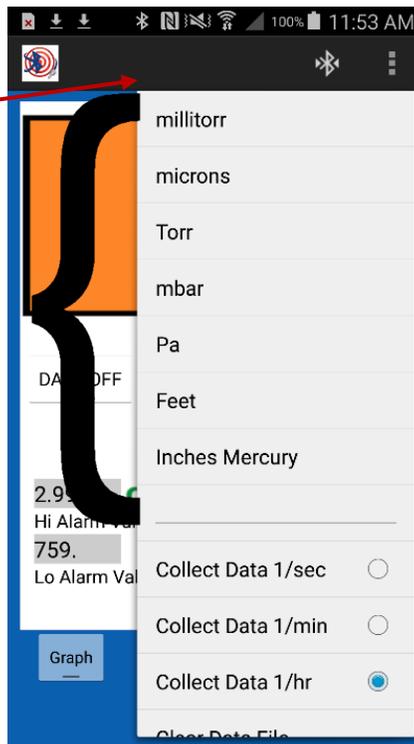
right. Select the amount of time to display data on the graph: from 10 seconds to 24 hours. Data can be shared to the DigiVac cloud. The data can be graphed from right to left where the newest data enters from the right side and the oldest falls off the left. This is how most pump down curves operate.

Clear Data File	
Graph 10 sec	○
Graph 25 sec	○
Graph 1 min	○
Graph 5 min	○
Graph 1 Hr	○
Graph 24 Hrs	◉
Share with Digivac	☑
Graph Right to Left	☑

} Graph
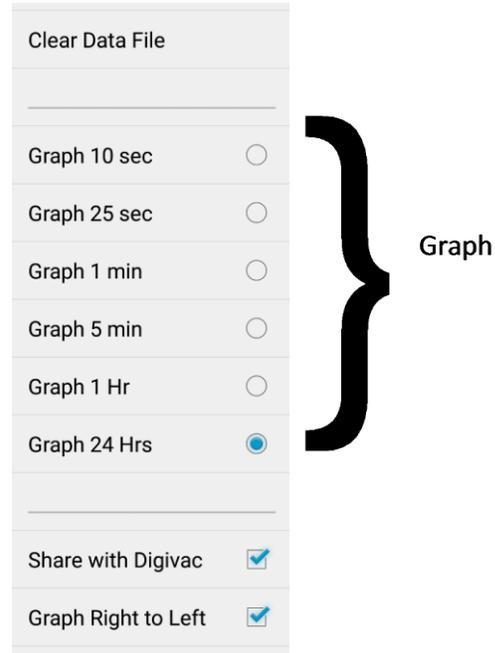
Alarm Set Point

You can set an audible alert when desired vacuum level is reached by clicking the "Set Hi" or "Set Lo" buttons on the app. Then you may key in the set point as shown in the picture to your left. The Hi alarm will sound when the vacuum pressure level is greater than the Hi alarm value. Similarly, the Lo alarm will sound when the vacuum pressure level is lower than the Lo alarm value.
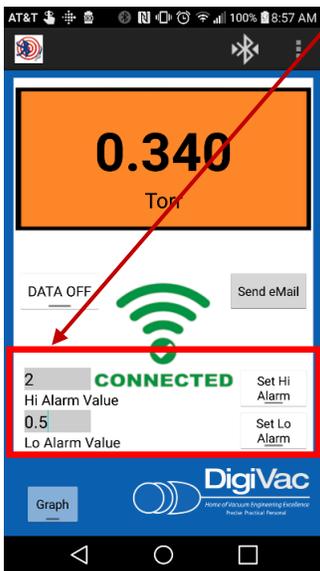
Sharing the Data

To share the vacuum data .csv file, press the "Send eMail" button on the app. A list of different storage data options will appear such as: Dropbox, Google Drive, Bluetooth, and Wifi Direct. Choose your preferred sharing option.

For Example (Gmail)
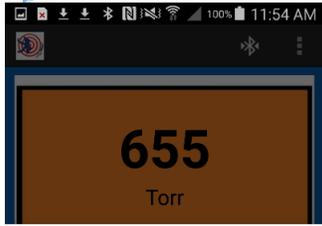
Add recipient information and send the data.
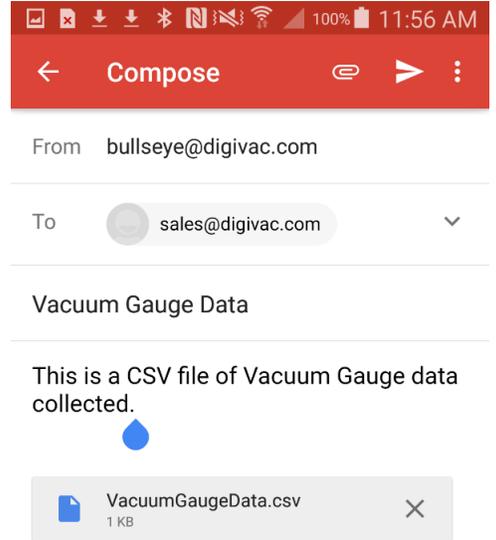
Click here for an example of how to graph the .csv data that gets shared via email.

If you want to send a graph of your vacuum data to someone, click the graph button, then share. You will be able to name your graph and send it out via numerous channels.

DigiVac Graphing Data A

-889999.00 millitorr in 5 min
-2966.66 millitorr/min

PRESSURE (millitorr)

TIME (min)
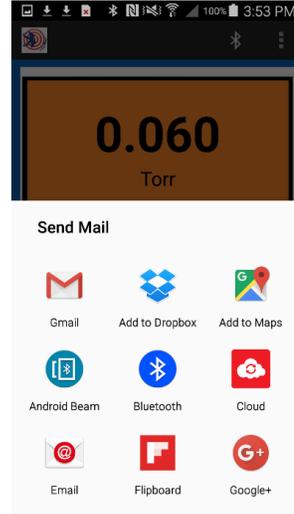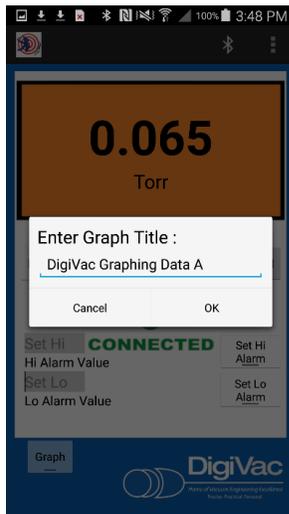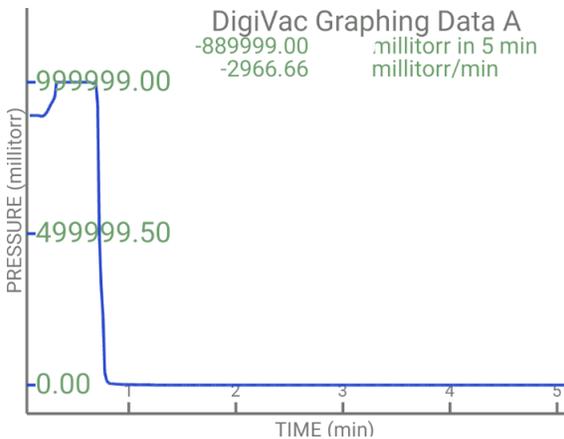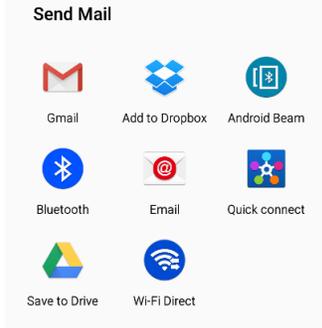
You can also share and monitor your data through www.vacuumnetwork.org. Simply log in with the same customer and gauge ID you assigned in the app and see real-time read outs from anywhere in the world.

Connecting to DigiVac

If you need to get to www.digivac.com for informational
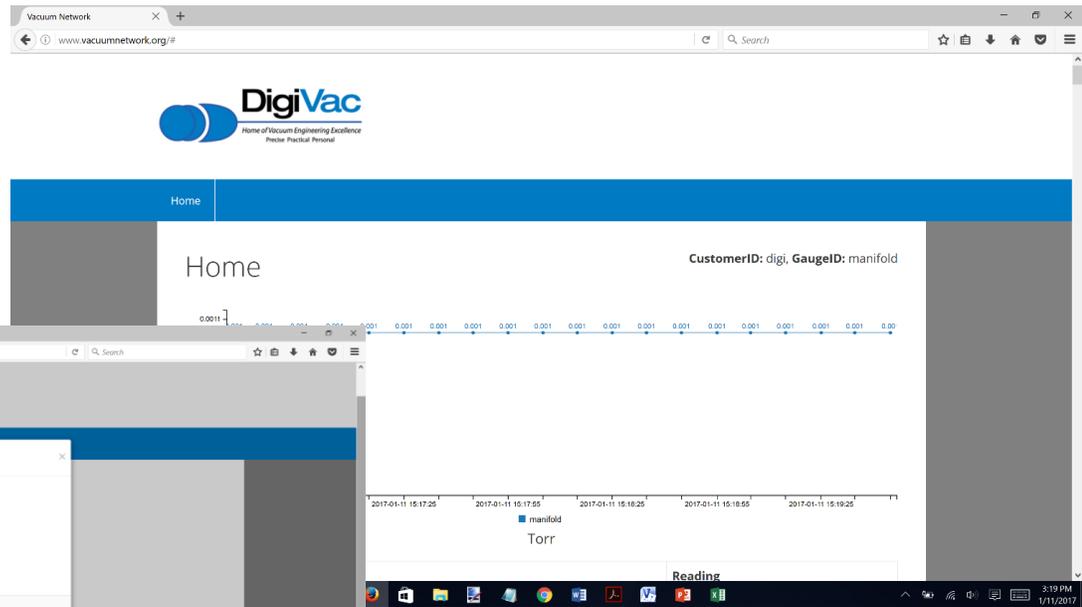
purposes, simply click the DigiVac logo. It will take you directly to the website.

719
Torr

DATA ON | Send eMail

CONNECTED

2.99 Hi Alarm Value | Set Hi Alarm
759. Lo Alarm Value | Set Lo Alarm

Graph | DigiVac

www.digivac.com

Navigation

DigiVac
Home of Vacuum Engineering Excellence
Precise Practical Personal

Search Digivac | SEARCH
$0.00

Product Wizard
Finding the right vacuum gauge can be tough.
Try our product wizard now!

Message
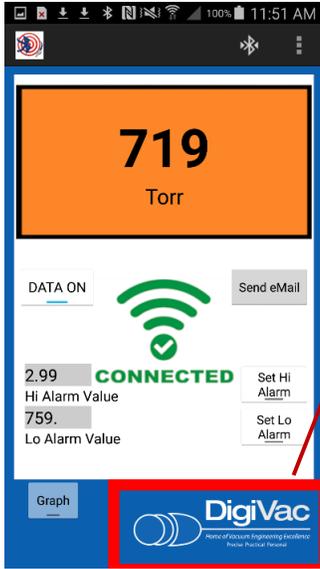
*Alarms require manual intervention to stop sounding

If you happen to power off your gauge while connected to the app and you would like to re-establish connectivity, simply leave the app open and turn the gauge back on. An automatic reconnection should occur within one minute of the gauge being powered on.

Features

- Visually displays real-time pumpdown curves
- Displays vacuum readings
- Quickly shares vacuum data recorded over a number of seconds or days

Benefits

- Share vacuum data around the world via email or www.vacuumnetwork.org
- Connects technicians, operators, and engineers to the vacuum process
- Graphs vacuum readings to aid in quickly identifying trends

Ease of Use

- Installs quickly on Android or iOS
- One click Bluetooth connectivity

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- Individualized customer and gauge IDs to view vacuum readings online

Best Practices:

- Choose a data logging interval that makes sense with what you are trying to accomplish. For example, if you need to take 24 hours' worth of pump down data, taking data every second might be too verbose. Data every hour may make the data set more useful.
- Make sure you have enough battery power for your logging interval. If your logging interval exceeds 30 hours, it is recommended that you plug the Bullseye in through a standard 1 Amp micro USB adapter.
- The data will always append to the existing file. If there is a particular set of data that is important, clear the existing data when you start a new run.
- Different tablets and mobile devices handle power saving and sleep modes in different ways. While not always required, it is best to have the phone with the App displayed and connected to a charger to get consistent logging and readings. The Android "pin" feature may be helpful when consistent collection of data is important.

Troubleshooting:

Q. What if the App can't connect?
    A. Shut down the App and restart. If that doesn't work, restart the tablet

Q. What if I seem to be missing data?
    A. Verify that your tablet or mobile device does not power off or go to sleep during the logging interval, and that the app is in the foreground.

Q. What if I can't find the email containing the data collected?
    A. Check your spam folder.

Q. Why isn't my app logging in the background?
    A. Some operating systems in phones do not allow the app to background. A workaround is to pin the app to the front of your device so you will be able to log constantly.

Q. What do I do if my gauge is connected to the cloud, but data does not appear on www.vacuumnetwork.org?
    A. Try turning your Bluetooth off and on. If this does not work, reboot the phone or tablet.

Supported Platforms:

- iPhone: iPhone 4S hardware and above, iOS 5.0 and above
- IPad: iPad 3rd Generation hardware, Model number (on back of unit) A1403 and above, iOS version 5.1 and above.

- Mini iPad: All hardware versions, iOS 6.0 and above
- Mobile phones and tablets with Android 4.3 Jellybean and higher AND Bluetooth LE 4.0 & Note 5
- Tested: Samsung S4, Samsung Galaxy Tab 4, Samsung Galaxy S5, Samsung Galaxy Tab 5, Asus MeMO Pad 8, LG Nexus 4 running Android 4.4.4, LG Optimus Zone 2 running 4.4.2