# Wifi Addendum

For Use With WiFi-Enabled DigiVac Gauges

SNAP & Fyra

This addendum will demonstrate how to enable your gauge for WiFi connectivity so vacuum can be read remotely from anywhere in the world via www.vacuumnetwork.org .

Setup and Configuration

Ensure the gauge is powered up. Check the bottom of the gauge for the SSID number and password. Go to your available WiFi networks and find the network matching the SSID.
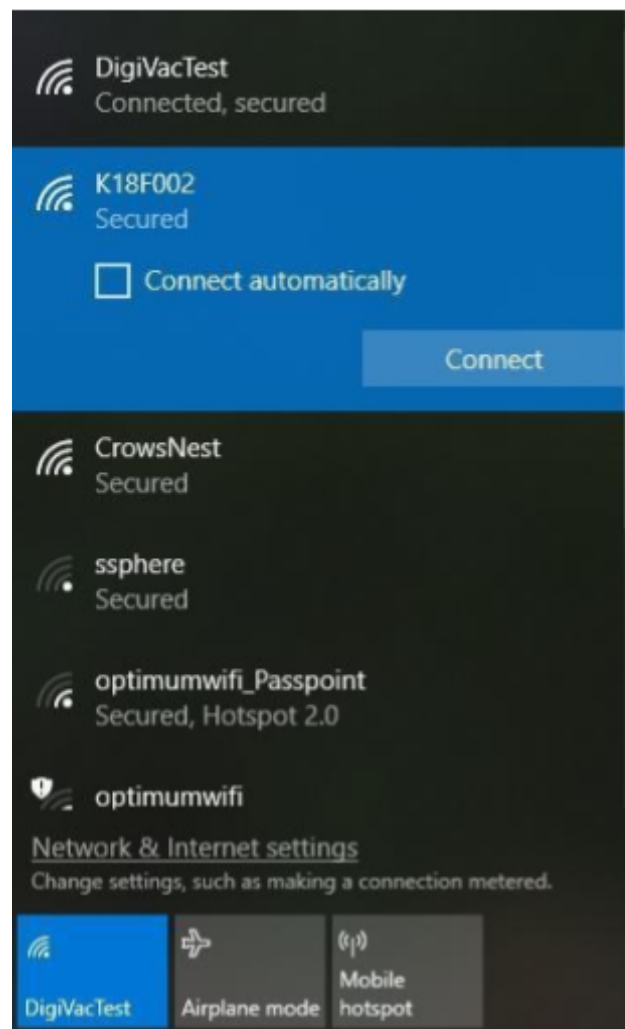
Connect to the network using the included password. Then open a web browser and go to **https://192.168.4.1**. A white window reading DigiVac with three lines in the upper left corner will appear. Click the lines to open the menu and go to Gauge/Customer.

Assign each vacuum sensor slot on your gauge with a customer ID number and unique gauge number. The customer ID and gauge ID can be whatever you like. You will need both numbers to read vacuum remotely through vacuumnetwork.org .

Re-enter the menu and go to WiFi. Here you will give the gauge permission to communicate over your workplace network. Enter the signal name and password for the network on which you'll be using the gauge.
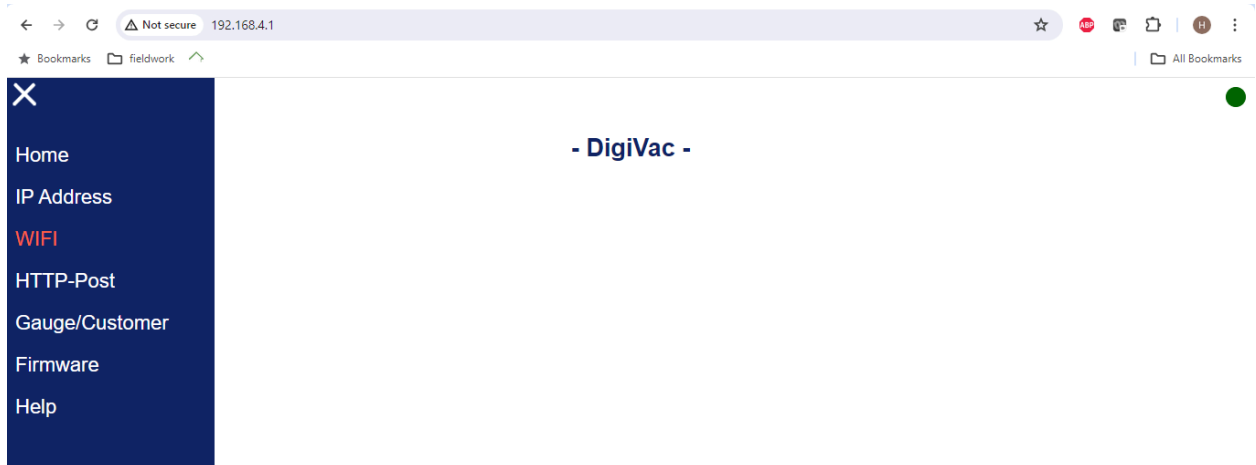
You can reenter the menu at any time by connecting to the SSID on the bottom of your gauge. In the menu, you can change gauge ID and customer ID of individual sensors, change the network over which your WiFi-enabled gauge can communicate, or check the IP address.

After giving the gauge permission to communicate over your workplace network, click IP Address. The screen will show the static IP you can use to read or communicate with the gauge via telnet. You may have to power-cycle the gauge, or close and reopen the configuration window, for it to appear.
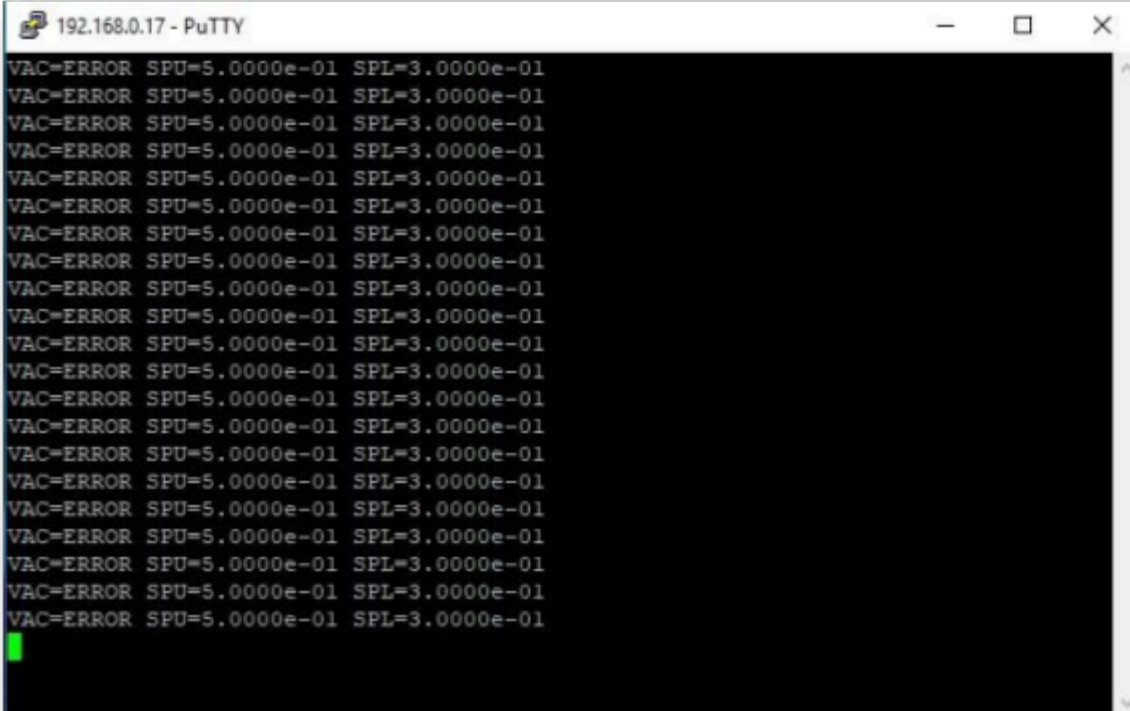
Reading Vacuum Through a Terminal Program

Open your terminal program (such as Putty, shown here) and select **Telnet**. Enter the IP address and change the port to 10001 as shown.
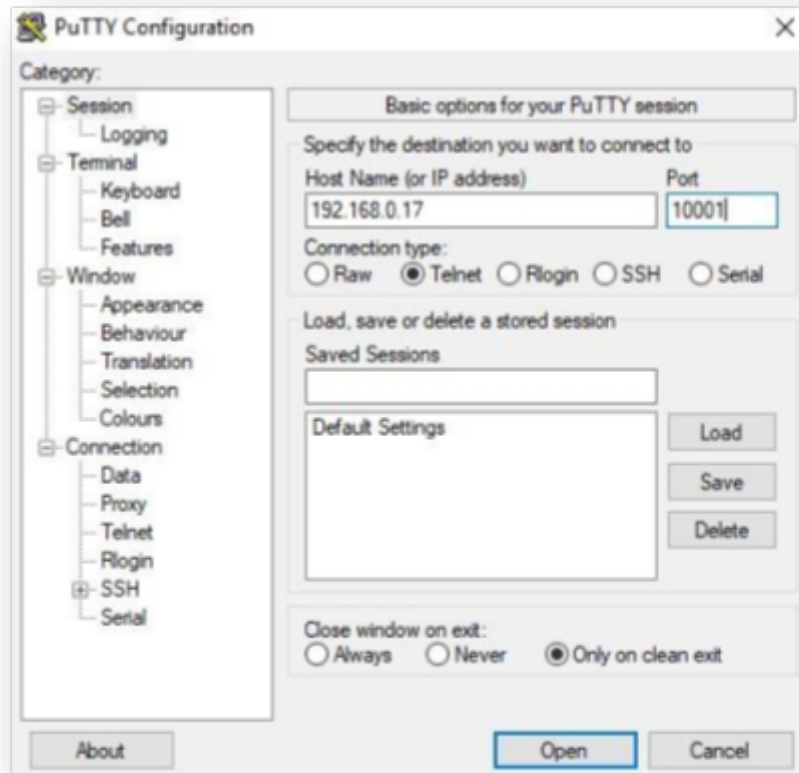
Once per second, the program will show the current vacuum level, as well as the setpoint values. See the manual for the commands you can send to the gauge remotely that will change the setpoint values and modes.
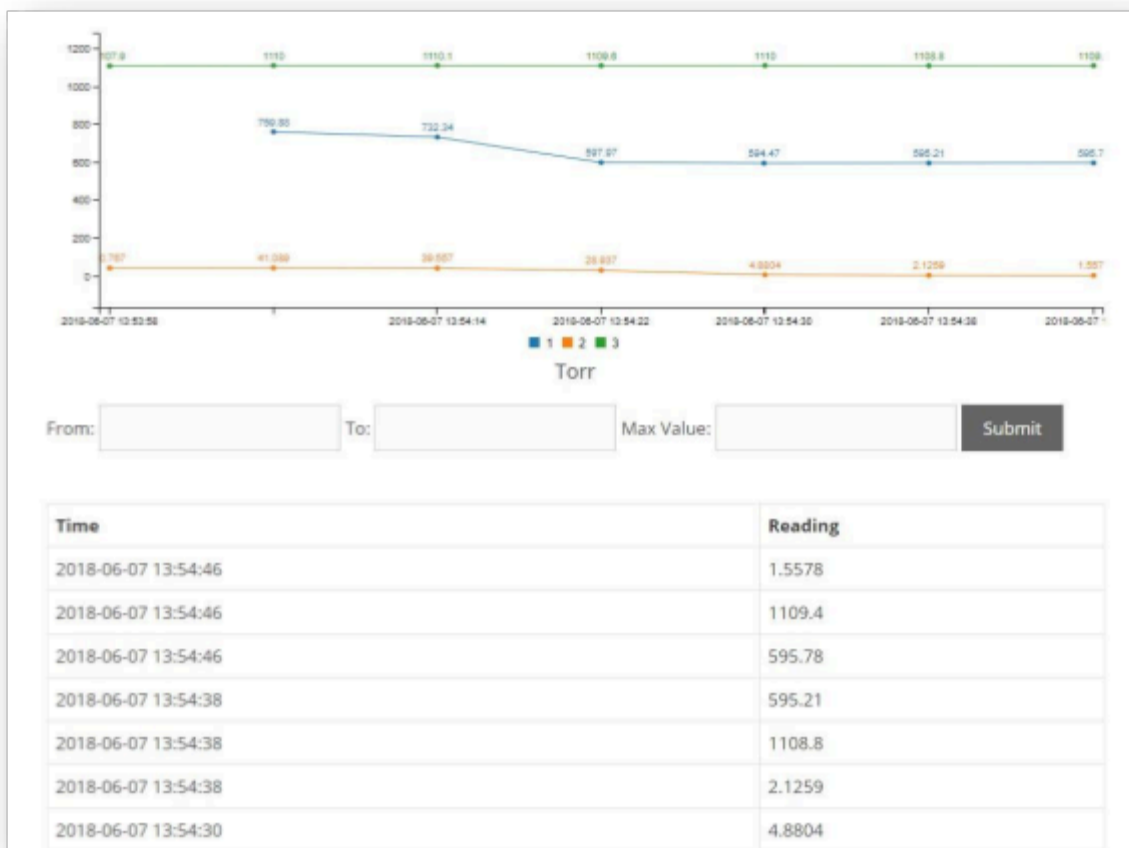
Reading Vacuum Through Vacuumnetwork.org

Ensure you are connected to your workplace network and open a web browser.

Type "http://vacuumnetwork.org/?id=(UserID)" into the address bar, replacing (User ID) with the Customer ID you assigned.

All three sensors reading vacuum with this sample gauge are visible.

If you're unable to connect to the SSID printed on the bottom of the gauge to configure it:
- You may be outside of the wifi range. Move your laptop closer to the gauge and try again.
- Check the purchase order to ensure your unit is equipped with Wifi.
- Ensure that unknown networks are not blocked by your IT department.

If you're unable to connect to VacuumNetwork.org:
- Ensure you're connected to the workplace network that you've authorized the gauge to communicate over, not the SSID printed on the bottom of the gauge.
- Double check gauge and customer ID.
- Power cycle the gauge.