

3502 FC Gateway and 3561 FC Vibration Sensor(s)

Step-by-step tutorial

November 2018, Rev. 2, 11/18

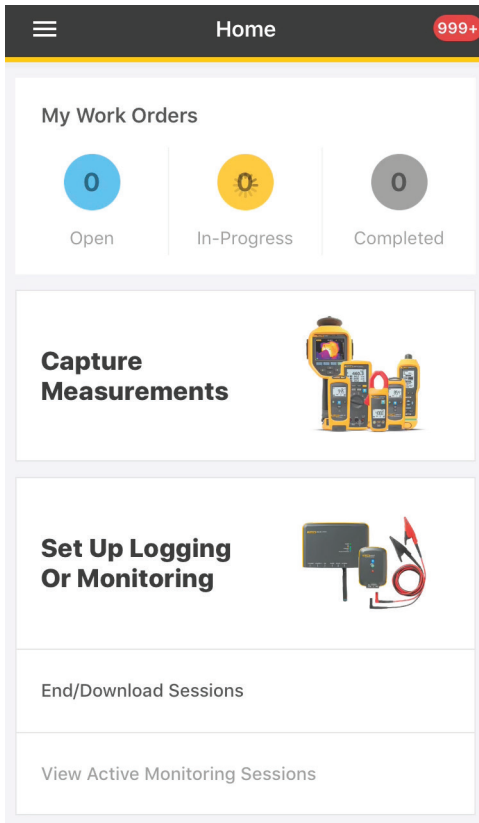
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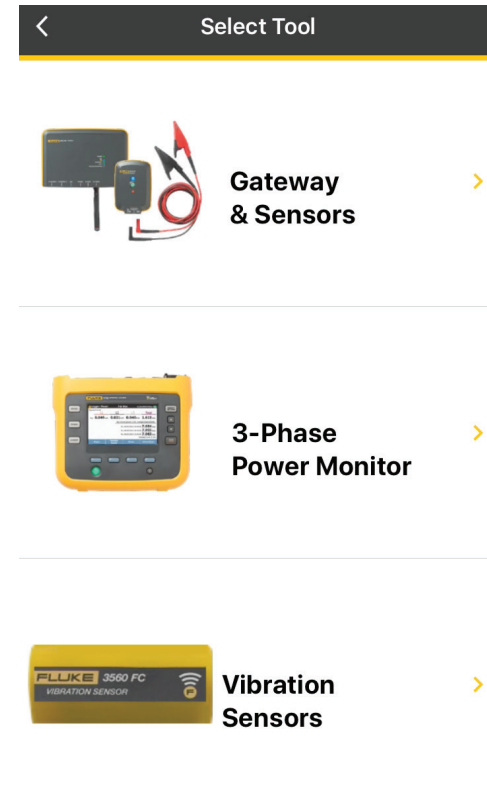
- 1. Ensure that your network settings are configured per the Fluke Connect Network Requirements**
- 2. Confirm that a Wi-Fi network is available (2.4 GHz)**
- 3. Note your network name and password**
- 4. Install the Fluke Connect app from the Google Play Store (on Android) or the App Store (on iOS)**
- 5. Login to the Fluke Connect app**
- 6. Unbox the 3502 FC Gateway and the 3561 FC Vibration Sensor(s)**
- 7. Place the Gateway and the Sensor(s) within a foot apart while doing the in-app setup**

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On your mobile device, launch the Fluke Connect App and select “Set Up Logging Or Monitoring.”



Select “Vibration Sensors.”



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This page provides the Vibration Setup Overview. After reviewing the steps, select “Start Session Setup.”

< Vibration Setup Overview

Step 1
Connect the Gateway and Sensors
Connect the Gateway and Sensors to the Fluke Connect Cloud.

Step 2
Configure the Sensors
Adjust your sensor settings and associate assets with your sensors.

Step 3
Verify Sensor Setup and Start Remote Monitoring
Begin monitoring assets remotely and capture measurements to the Fluke Connect Cloud

Step 4
Install the Sensors


START SESSION SETUP →

Plug the Gateway into a power outlet and enable Bluetooth on your smart device.

< Connect the Gateway

Step 1 of 4
Connect the Gateway and Sensors

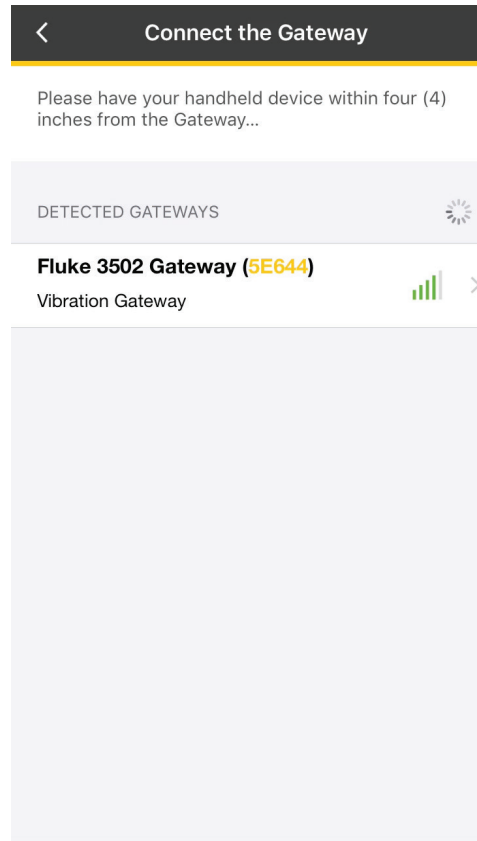
Plug the Gateway into a nearby power outlet and enable Bluetooth on your mobile device.



CONTINUE →

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Ensure that your handheld device is within four (4) inches from the Gateway to allow seamless Bluetooth connection.



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Select the Wi-Fi network that the Gateway will use to connect to the Fluke Connect Cloud. If this is a first-time setup, select “New Network” and enter your Network name (SSID), Network password and WPA2 protocol.

< **Connect the Gateway to WiFi**

Select the local WiFi network that the Gateway will use to connect to the Fluke Connect Cloud.

SAVED NETWORKS

New Network...

Loading WiFi networks...

< **ASSIGN WIFI NETWORK**

Please provide the SSID and password for your WiFi network.

OTHER NETWORK

Network SSID
iPhone

Network Password
●●●●●●

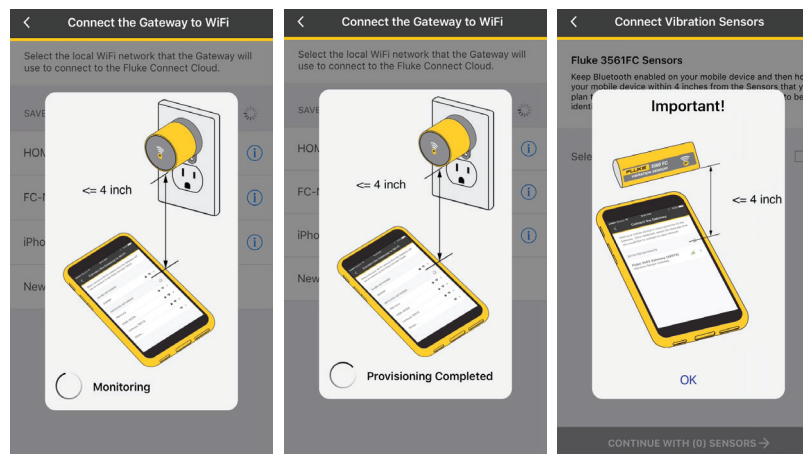
Network Security
WPA2

Save WiFi network to your Fluke account

SAVE

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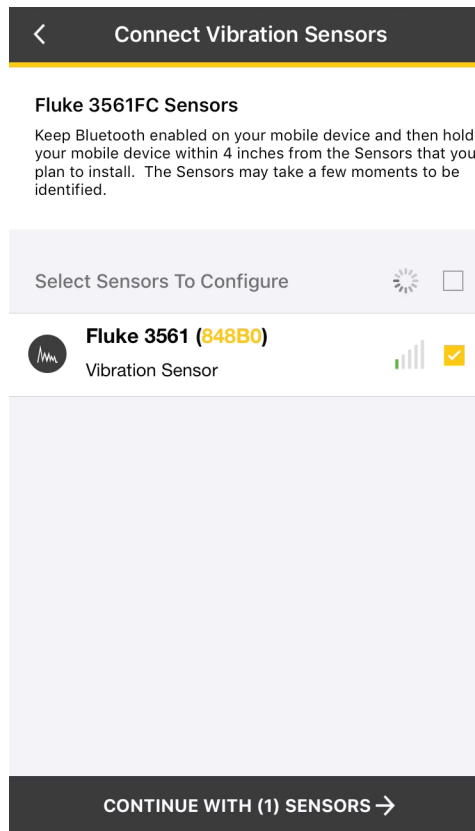
The screen will provide connection status updates (Loading, Connecting, Authenticating, Provisioning Device, Monitoring, Provision Completed, OK).



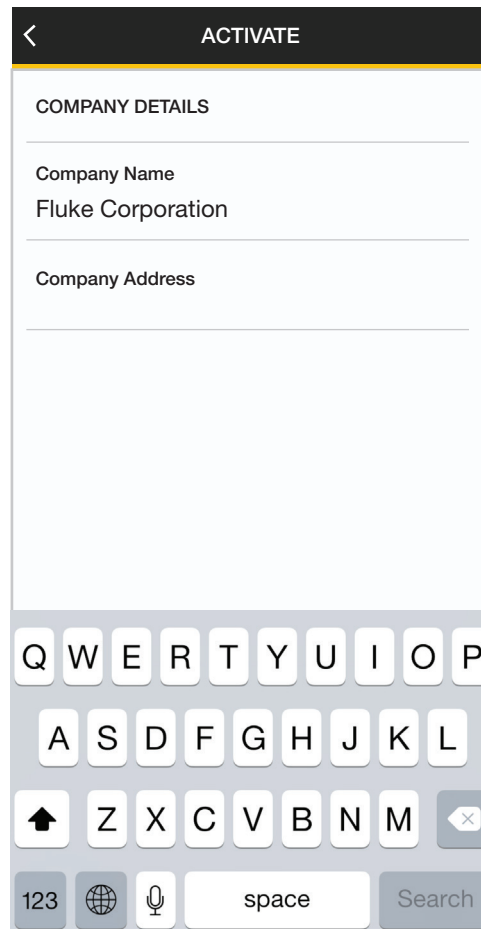
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Upon Gateway provisioning completion, hold your smart device within four (4) inches of the sensor you plan to install. From the detected list of sensors, select the box associated with the sensor you wish to install and select “Continue with X Sensors.”



Enter your company details.



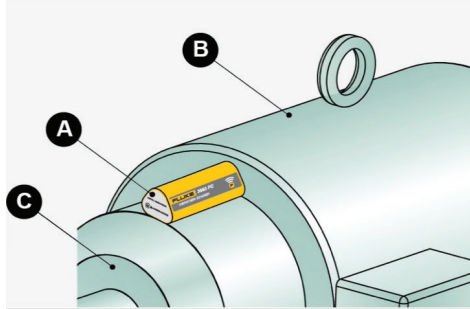
The screenshot shows a mobile application interface titled "ACTIVATE". At the top left is a back arrow icon. Below the title is a section header "COMPANY DETAILS". There are two input fields: "Company Name" with the text "Fluke Corporation" entered, and "Company Address" which is currently empty. A standard QWERTY keyboard is overlaid at the bottom of the screen.

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This is simply the terminology overview for reference. Please **DO NOT** physically install the sensors yet. You may check the box on the bottom screen if you wish to skip this screen for future session setup. Select “Continue.”

< Sensor Terminology Overview



A Sensors
Sensors are devices used to monitor assets and test points.
Please do not physically install the sensors yet.

B Assets
Assets are equipment that you maintain.
(Ex: pump motor)

C Test Points
An asset can have 1 or more test points to identify specific locations on the asset.
(Ex: bearing)


CONTINUE →

Select “Asset or Test Point.” This is where you specify the type of equipment that your sensor(s) will be monitoring.

< **Configure Sensors**

Step 2 of 4
Configure the Sensors

Specify the equipment that each sensor is monitoring by assigning an asset or test point to the Sensor.

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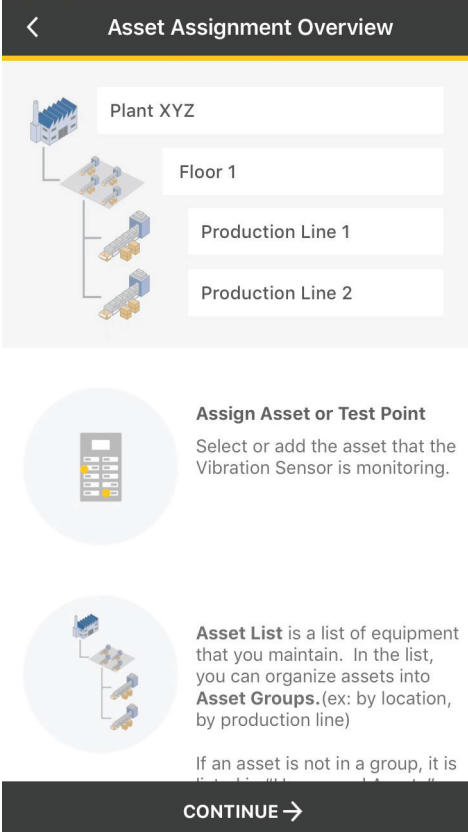
ASSIGN ASSET OR TEST POINT

CONTINUE ->

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This is simply the asset assignment overview for reference. Select “Continue.”



Asset Assignment Overview

Plant XYZ

Floor 1

Production Line 1

Production Line 2

Assign Asset or Test Point
Select or add the asset that the Vibration Sensor is monitoring.

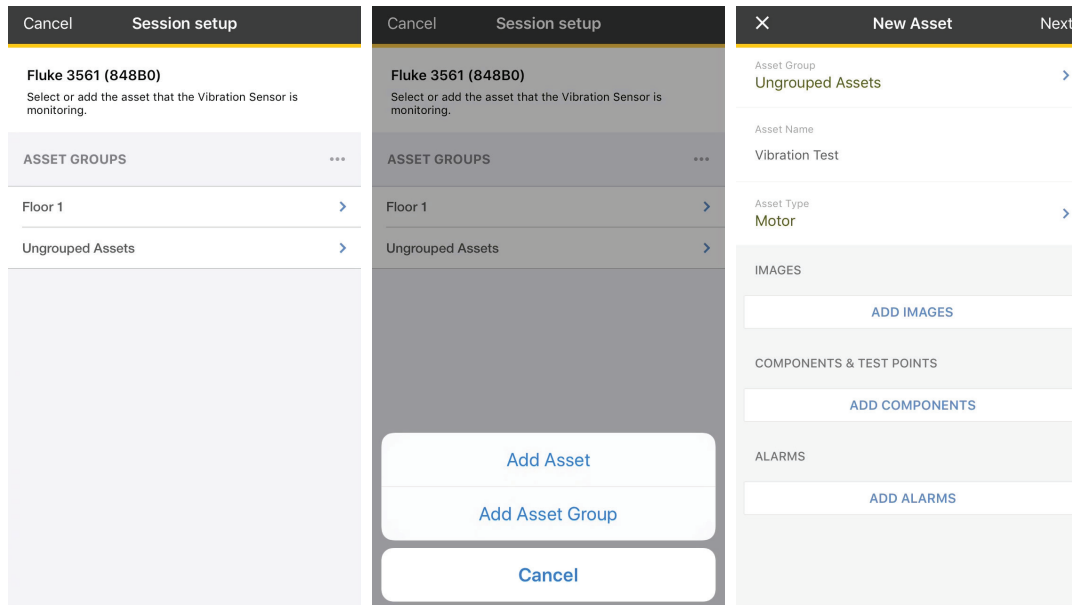
Asset List is a list of equipment that you maintain. In the list, you can organize assets into **Asset Groups**. (ex: by location, by production line)

If an asset is not in a group, it is

CONTINUE →

Tap on the three dots and select “Add Asset.”

Asset Groups serve as a file-folder system which allows you to categorize and/or organize your assets. If the asset doesn’t fall under a group, select “Add Asset.” This asset will be created and saved under “Ungrouped Assets” by default.



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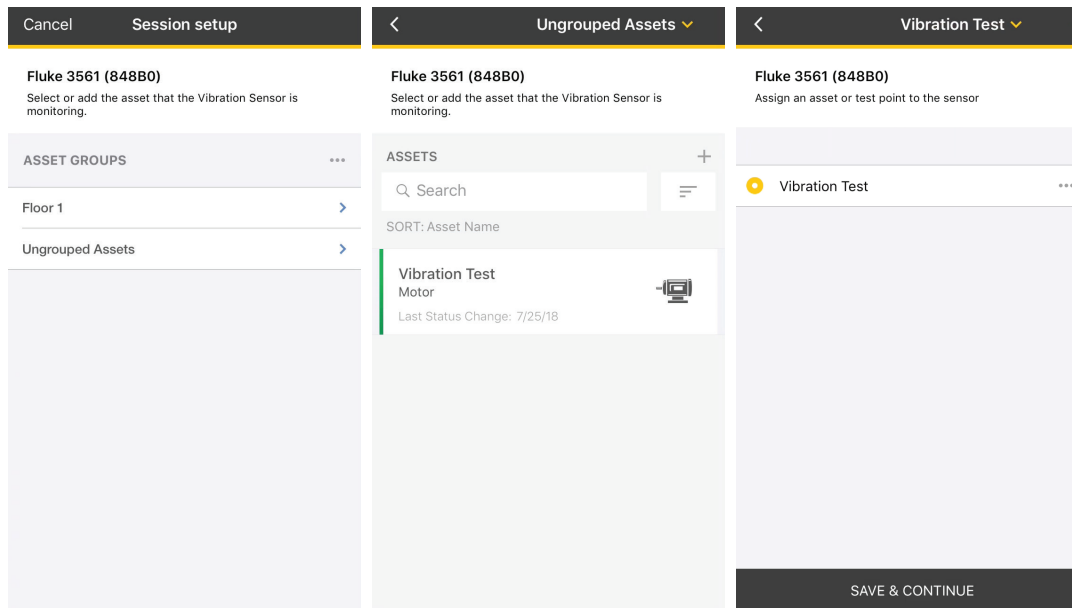
This page allows you to set the health status of your asset. If you believe your asset to be in normal working condition, select “Normal”, then select “Save.”

The screenshot displays a mobile application interface for setting asset status. At the top, there is a dark header bar with a back arrow on the left, the title "SET ASSET STATUS" in the center, and a "Save" button on the right. Below the header, the screen is divided into two main sections. The first section, titled "SELECT STATUS", contains a list of five status options, each with a radio button and a corresponding color swatch: "Normal" (yellow radio button, green swatch), "Moderate" (white radio button, yellow swatch), "Serious" (white radio button, orange swatch), "Extreme" (white radio button, red swatch), and "Unassigned" (white radio button, grey swatch). The "Normal" option is selected. The second section, titled "STATUS CHANGE NOTE", features a text input field with the placeholder text "Reason for status change...". The input field is currently empty. The bottom portion of the screen is a light grey area, likely representing the bottom navigation bar or a footer.

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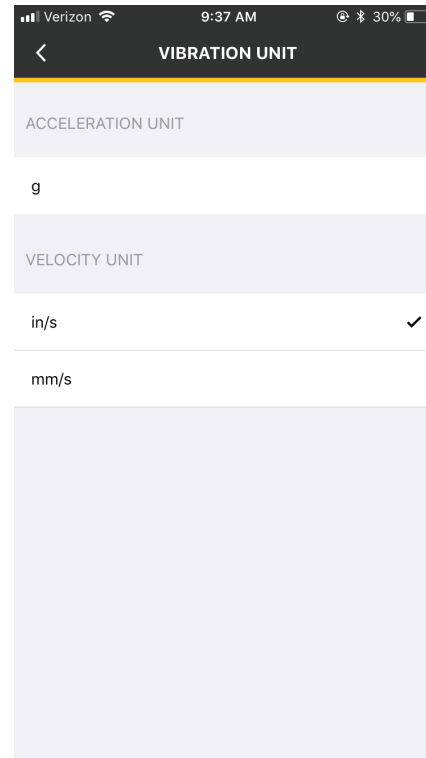
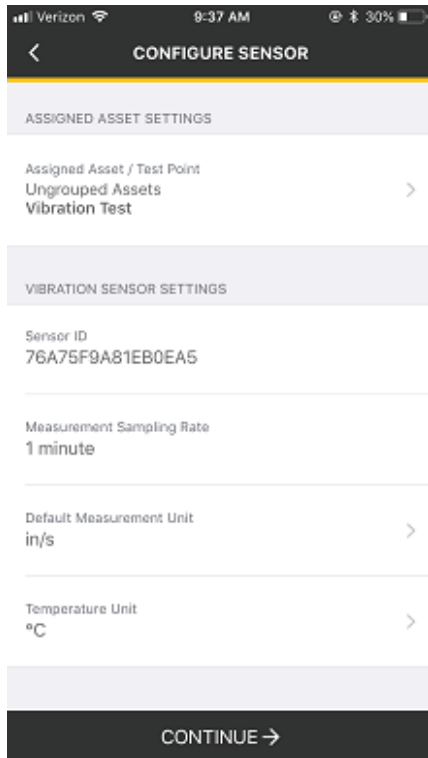
Make your asset selection and confirm via the radio button. Select “Save & Continue.”



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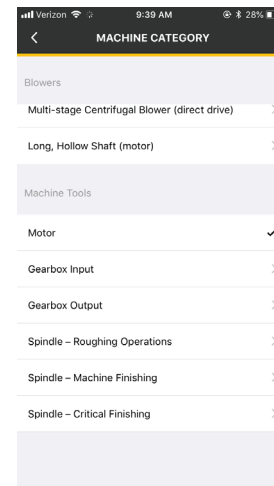
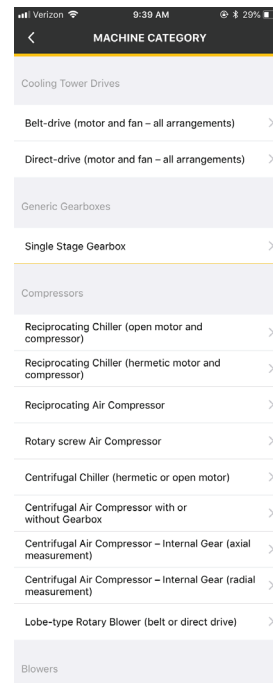
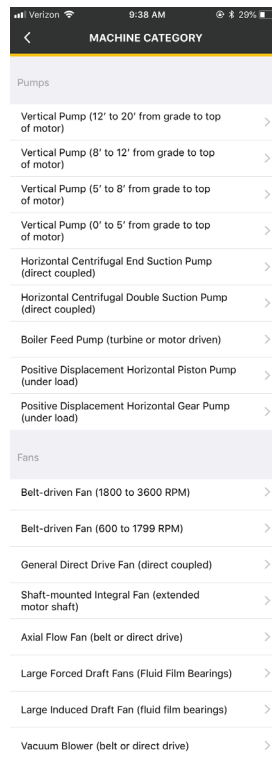
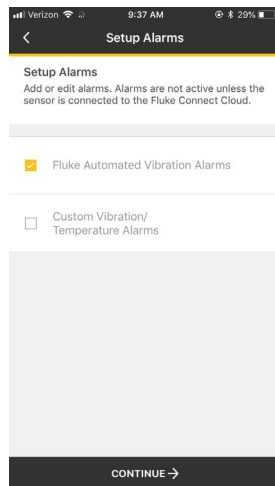
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This page allows you to adjust your Default Measurement and Temperature Units. Tap on “Default Measurement Unit” to select Acceleration Unit g, or Velocity Unit in either in/s or mm/s. Tap to select “Temperature Unit.” After selections, select “Continue.”



The Alarm functionality will be based on your selection of either the Fluke Automated Vibration Alarms (37 machine categories), or your own Custom Vibration/Temperature Alarms.

- A. If you select “Fluke Automated Vibration Alarms,” you will be taken to the various machine categories. Please make a selection based on the machine/asset that you will be monitoring:



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Select the notification recipients for the “Vibration Alarm,” then select “Save & Continue.”

< CONFIGURE VIBRATION ALARMS

Vibration Alarms: Vibration Test

Alarms thresholds are calculated automatically based on the information you provide below and are triggered when the vibration severity reaches what may be an unsatisfactory level.

NOTIFICATION RECIPIENTS

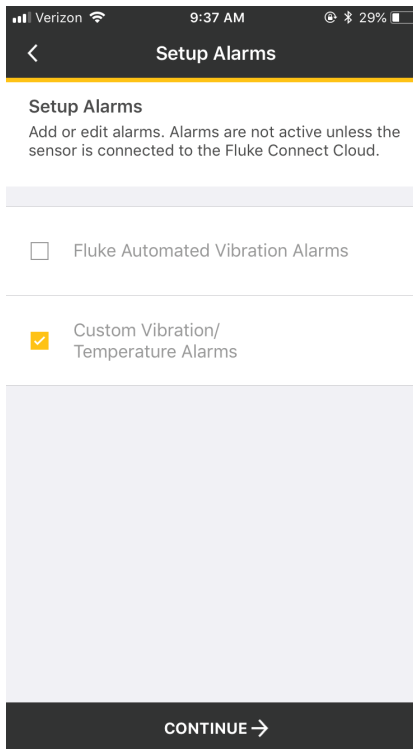
Me

Team Administrators

Specific Team Members

SAVE & CONTINUE

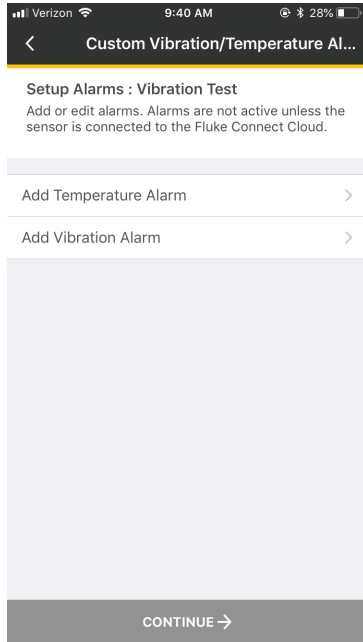
- B. If you wish to define your own alarms, check the “Custom Vibration/Temperature Alarms,” select Continue.



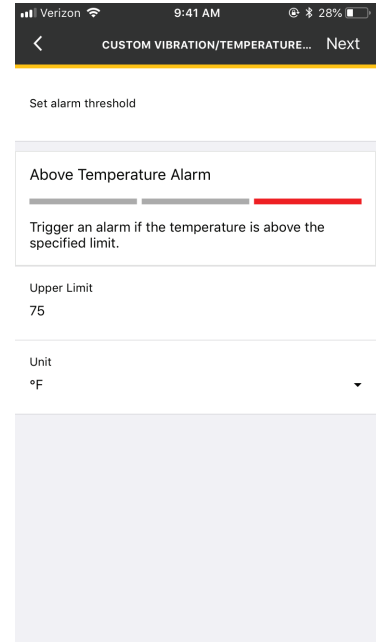
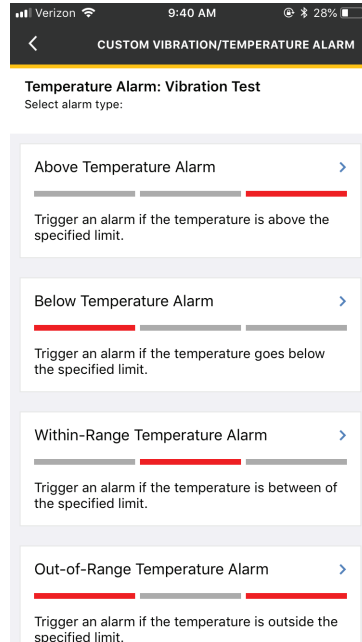
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- Select “Add Temperature Alarm.”

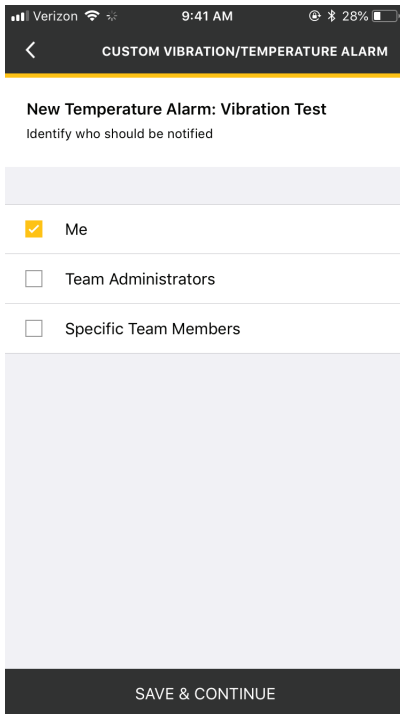


- In this example, let's select “Above Temperature Alarm.”

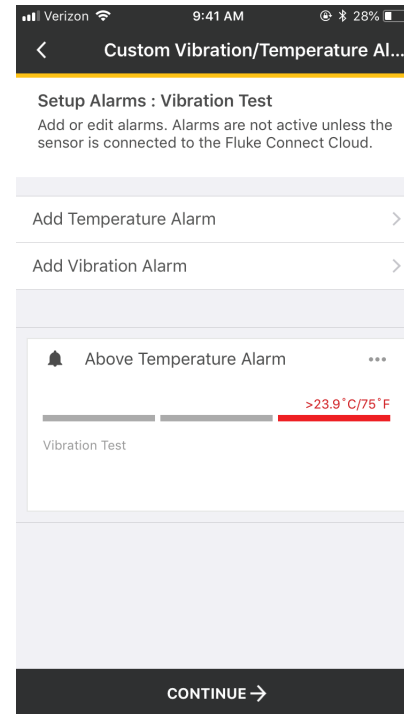


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- Select who should be notified of the Temperature Alarm, then select “Save & Continue.”



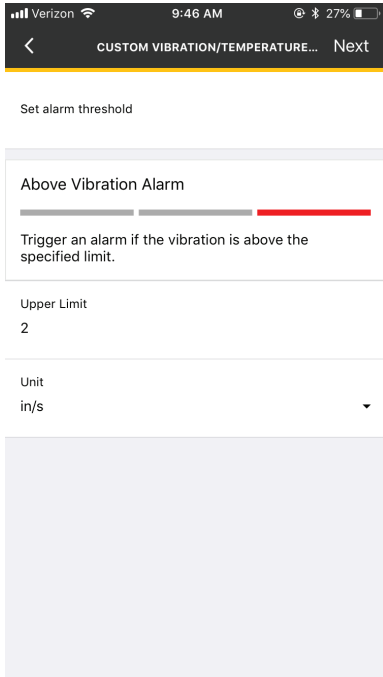
- Select “Add Vibration Alarm” then select “Continue.”



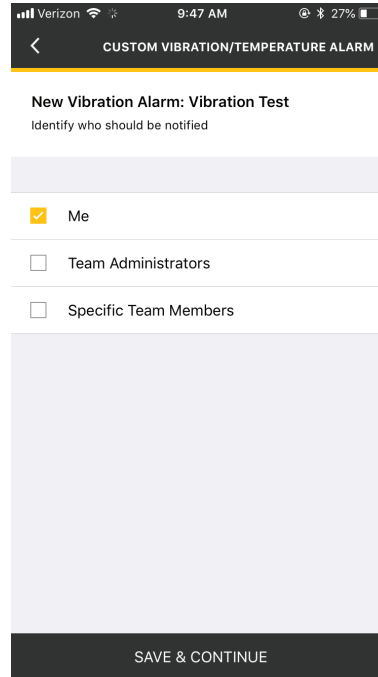
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- Specify “Upper Limit” and select “Unit.”

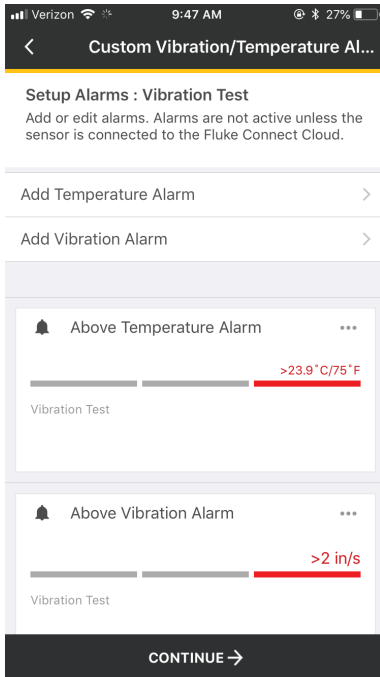


- Select who should be notified of the “Vibration Alarm.”

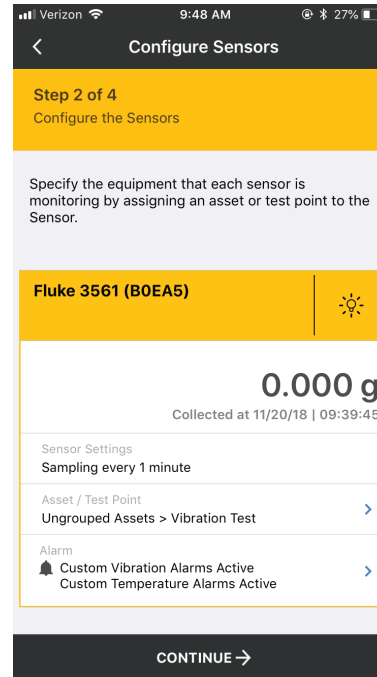


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- This page shows an at-a-glance of your Custom Vibration/Temperature Alarms. Select “Continue.”



- This screen is an at-a-glance of the configured sensor. Select “Continue”

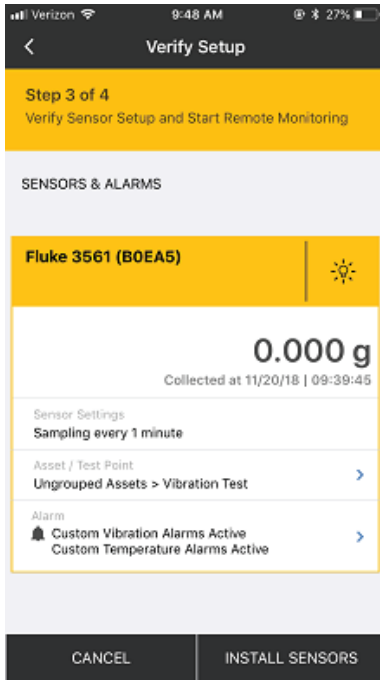


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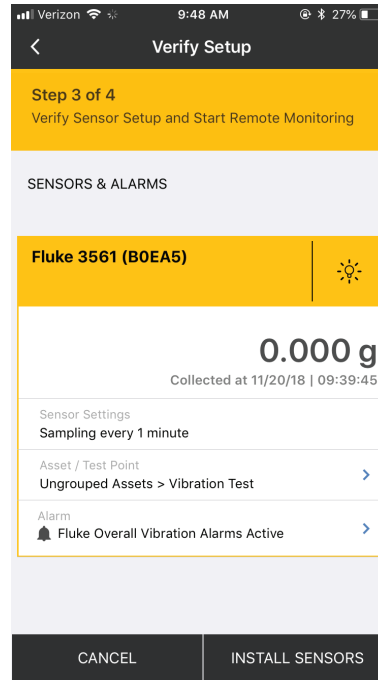
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- Verify sensor setup, then on the right bottom of the screen select “Install Sensors.”

Custom Alarm View:

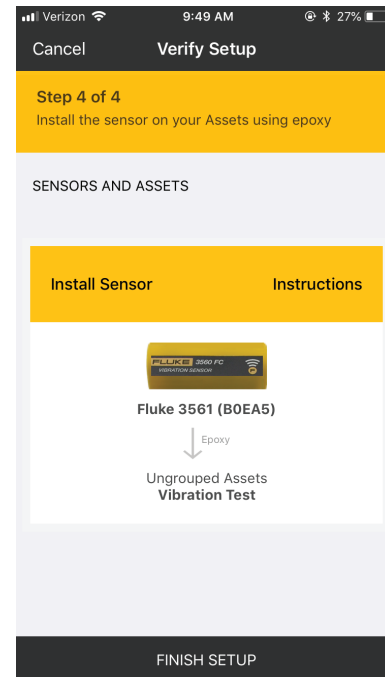
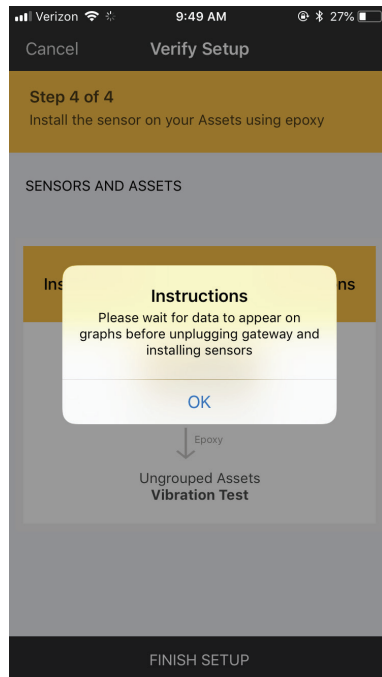


Fluke Automated Vibration Alarms View:



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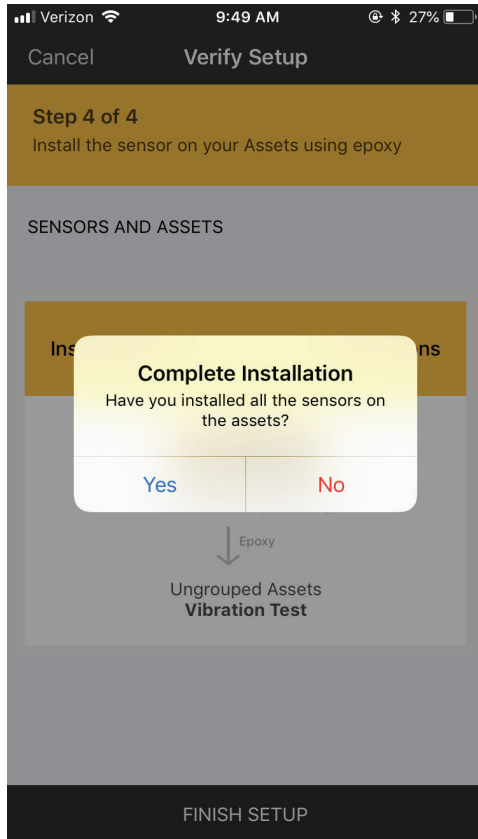
Temporarily place the sensor on your Asset to verify that Gateway and Sensor proximity is still within WiFi and Bluetooth coverage. Wait for data to appear on graphs before physically installing the sensors. Upon confirmation that data is coming in, install the sensor on your Assets using the included epoxy and select “Finish Setup.”



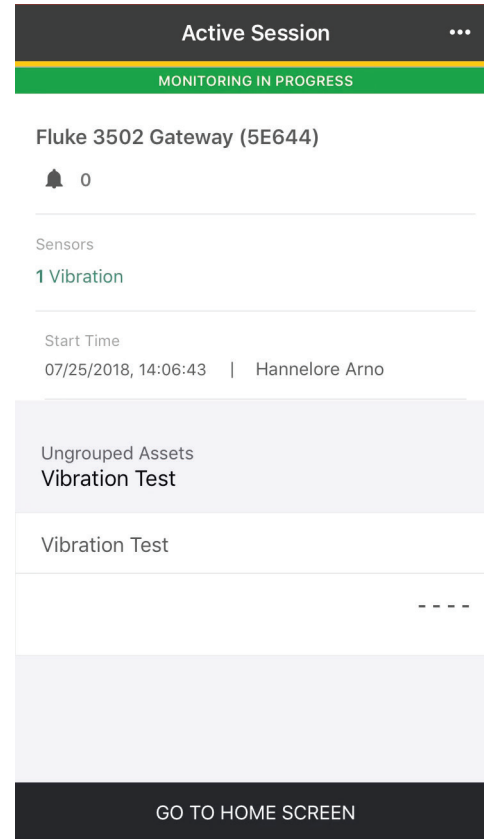
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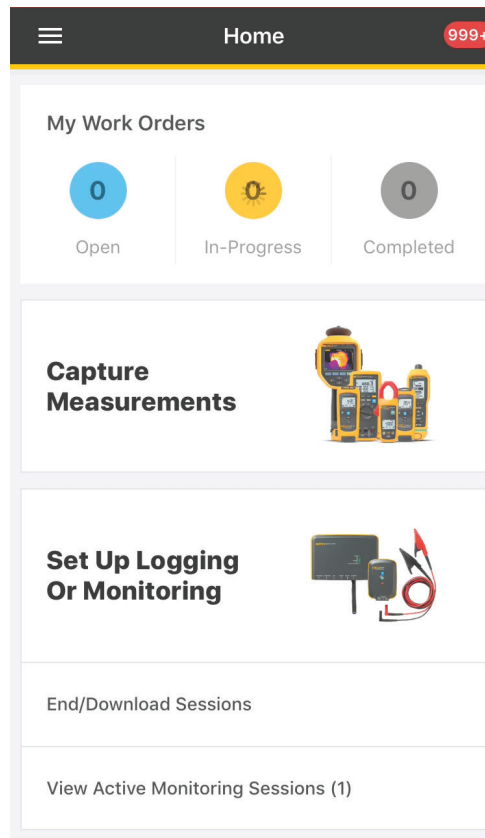
Upon completing installation of sensor on your Asset, select “Yes.”



Select “Go To Home Screen.”



On the Home screen, scroll to the bottom and select “View Active Monitoring Sessions”



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If you have multiple sessions, the most recent session will be on top. Tap anywhere on the “Monitoring In Progress” session, which will then take you to the session data and graphs.

