

3502 FC Gateway and 3561 FC Vibration Sensor(s)

Step-by-step tutorial

October 2018, Rev. 1, 10/18

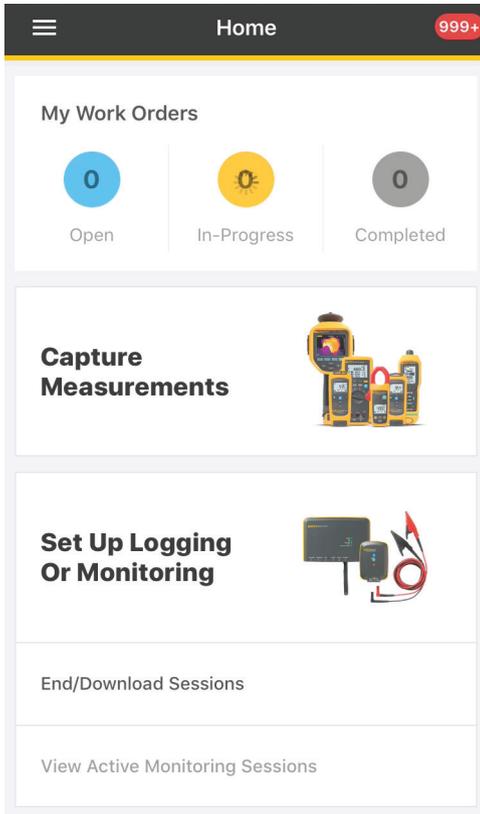
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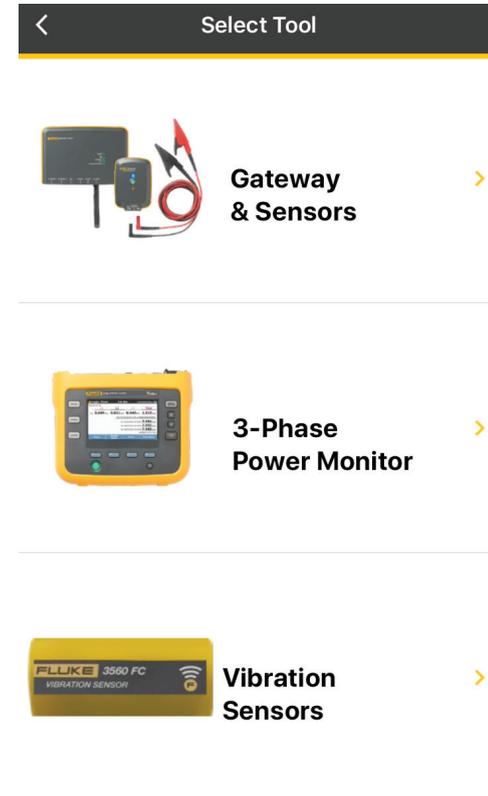
- 1. Ensure that your network settings are configured per the Fluke Connect Network Requirements**
- 2. Confirm that a Wi-Fi network is available (2.4 GHz)**
- 3. Note your network name and password**
- 4. Install the Fluke Connect app from the Google Play Store (on Android) or the App Store (on iOS)**
- 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) no more than one foot apart while doing the in-app setup**

3561 FC Vibration Sensor and 3502 FC Gateway Step-by-step tutorial

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



Select “Vibration Sensors.”



3561 FC Vibration Sensor and 3502 FC Gateway

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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

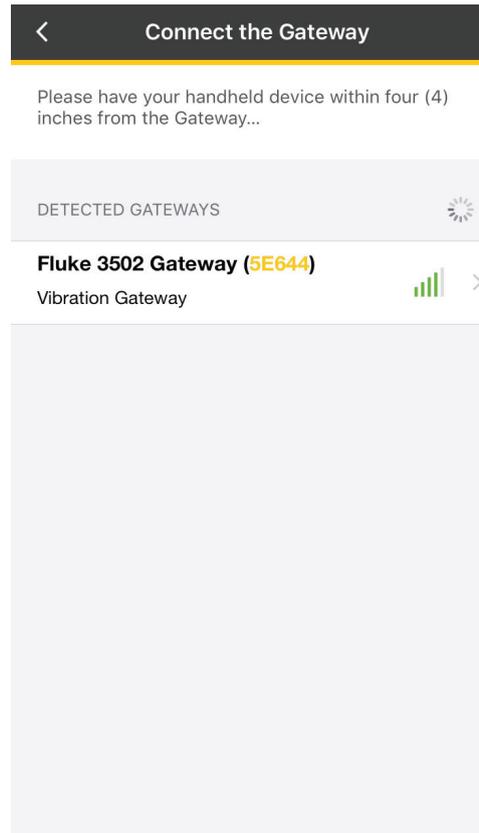
Plug the Gateway into a nearby power outlet and enable Bluetooth on your mobile device.



CONTINUE →

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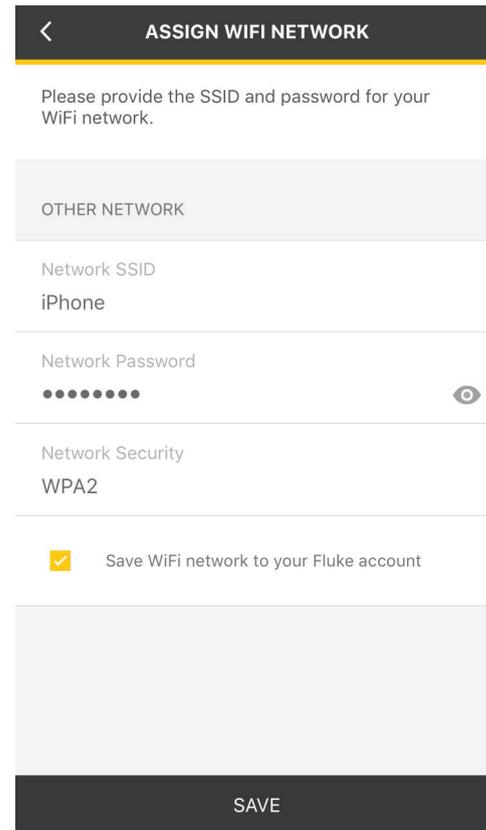
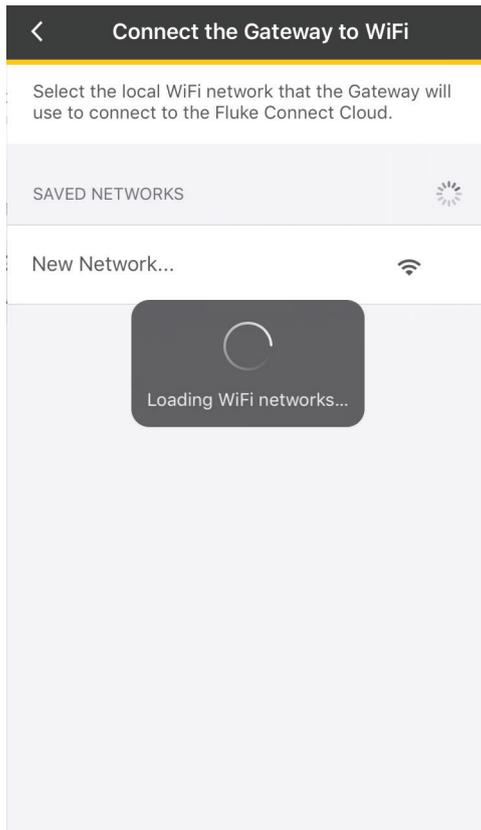
Ensure that your handheld device is within four (4) inches from the Gateway to allow seamless Bluetooth connection.



3561 FC Vibration Sensor and 3502 FC Gateway

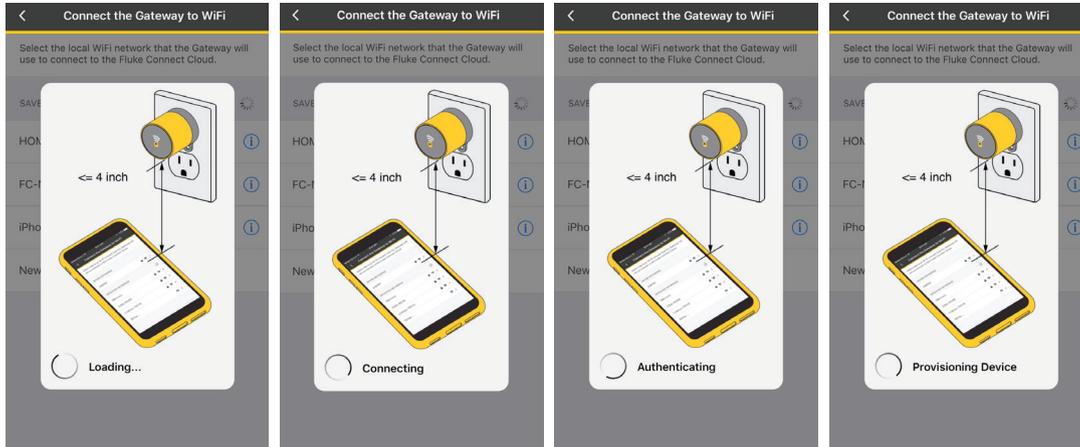
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Select the Wi-Fi network that the Gateway will use to connect to the Fluke Connect Cloud. If this is your initial setup, select “New Network” and enter your network name (SSID), network password and WPA2 protocol.



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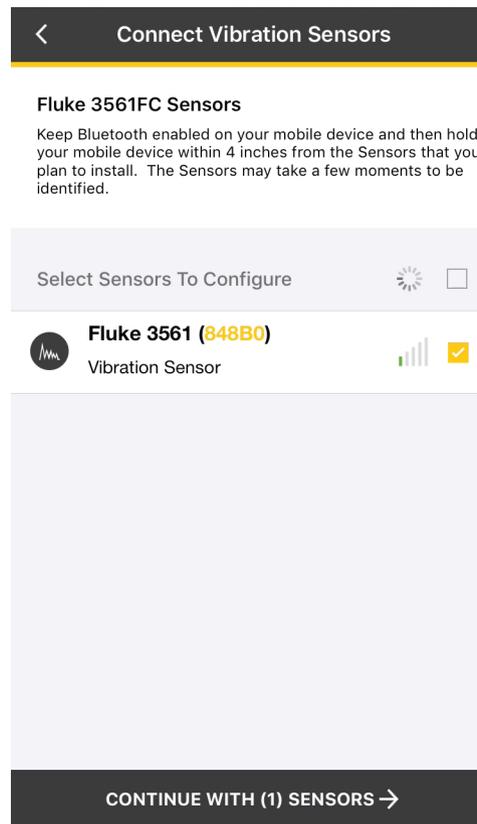
The screen will provide connection status updates (Loading, Connecting, Authenticating, Provisioning Device, Monitoring, Provision Completed or OK).



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When the Gateway provisioning has completed, hold your smart device within four (4) inches of the sensor you plan to install. From the list of detected sensors, check the box associated with the sensor you wish to install and select “Continue with (#) sensors.”



Enter your company details.

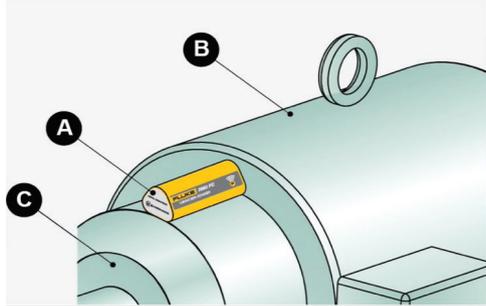
The screenshot shows a mobile application interface with a dark header bar containing a back arrow and the word "ACTIVATE". Below the header is a light blue form titled "COMPANY DETAILS". The form has two input fields: "Company Name" with the text "Fluke Corporation" entered, and "Company Address" which is currently empty. At the bottom of the screen, a standard QWERTY keyboard is visible, including keys for numbers, globe, microphone, space, and search.

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This is the terminology overview for reference. Please **DO NOT physically install the sensors yet**. If you wish to skip this information in the future, please check the box on the bottom screen. 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 →

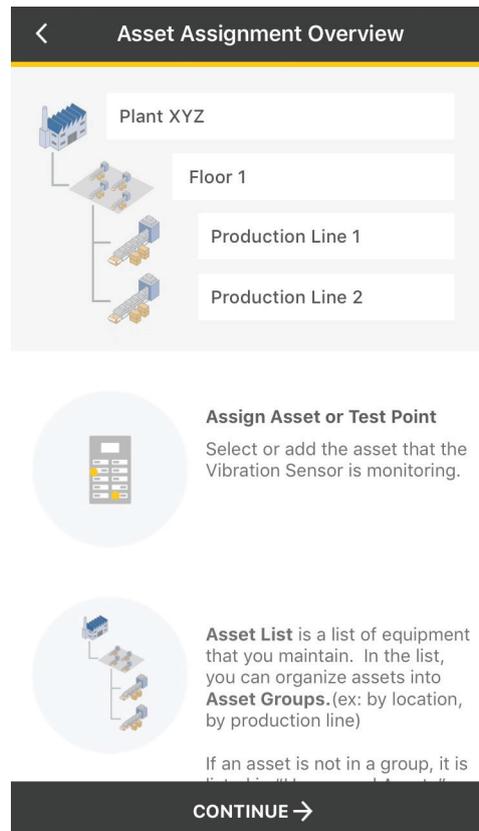
Select “Asset or Test Point.” This is where you will specify the type of equipment that your sensor(s) will be monitoring.

The screenshot shows a mobile application interface for configuring sensors. At the top, there is a dark grey header with a left-pointing chevron and the text "Configure Sensors". Below this is a yellow banner with the text "Step 2 of 4" and "Configure the Sensors". The main content area has a light grey background with the instruction: "Specify the equipment that each sensor is monitoring by assigning an asset or test point to the Sensor." Below the instruction is a yellow bar containing the text "Fluke 3561 (848B0)" and a sun icon. Underneath this is a white box displaying "0.000 g". A yellow button with the text "ASSIGN ASSET OR TEST POINT" is positioned below the white box. At the bottom of the screen is a dark grey bar with the text "CONTINUE →".

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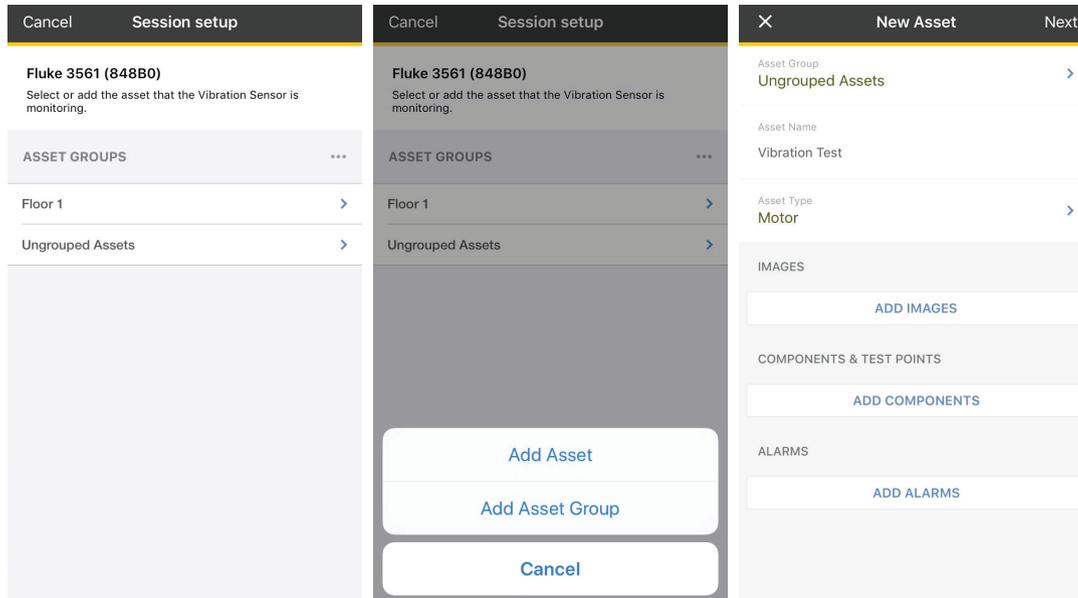
Step-by-step tutorial

This screen shows asset assignment for your reference. Select “Continue.”



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

Asset Groups serve as a file-folder system which allows you to categorize and organize your equipment. If your machine doesn’t fall under a specific group, select “Add Asset.” By default, equipment added this way will be saved in “Ungrouped Assets.”



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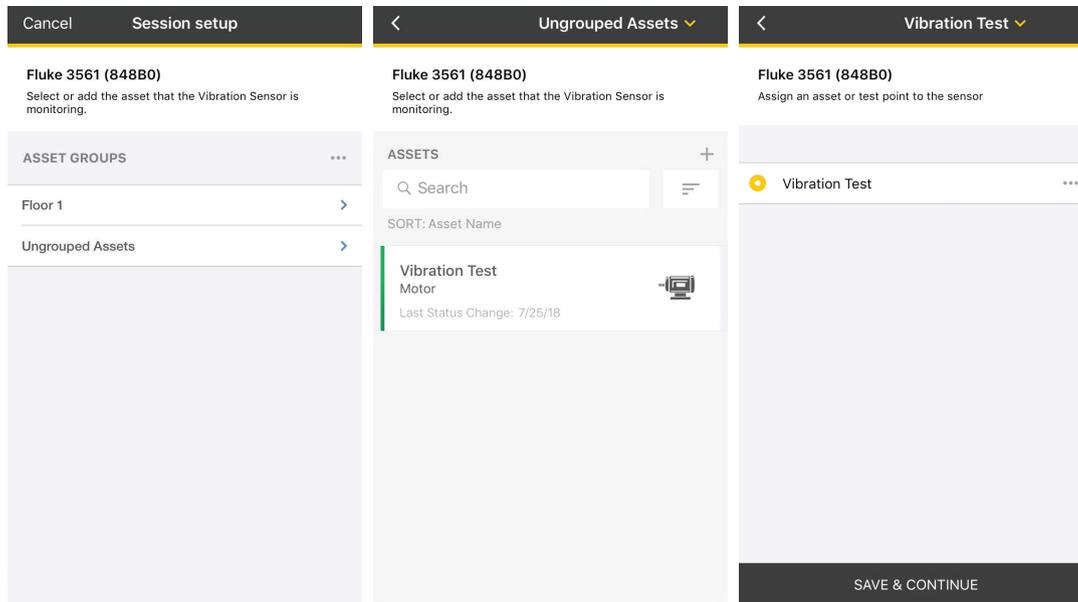
This page allows you to set the health status of your asset. If you believe your asset is within normal working conditions, select “Normal” and then “Save.”

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 is a section titled "SELECT STATUS" with a light gray background. This section contains five radio button options, each with a corresponding colored square to its right: "Normal" (yellow circle, green square), "Moderate" (white circle, yellow square), "Serious" (white circle, orange square), "Extreme" (white circle, red square), and "Unassigned" (white circle, gray square). The "Normal" option is selected, indicated by a yellow dot inside its radio button. Below the status options is another section titled "STATUS CHANGE NOTE" with a light gray background. This section contains 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 solid light gray area.

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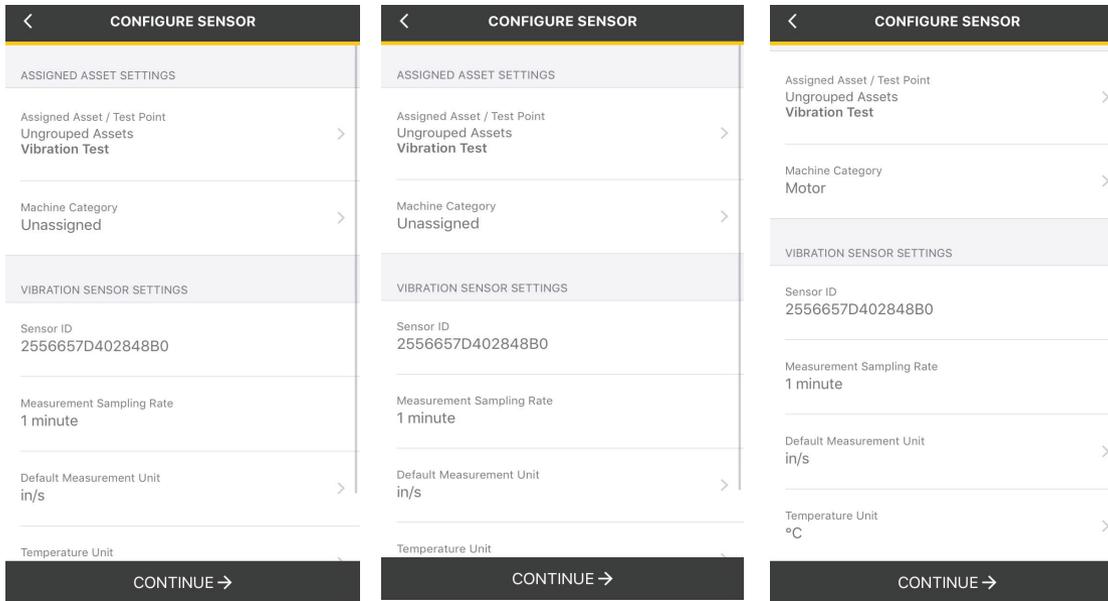
Make your asset selection and confirm via the radio button. Select “Save & Continue.”



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Tap “Machine Category”, make your selection and then tap the back button on the top left of your device to return to the previous screen.



The next step will take you through alarm setup. Tap on “Configure Vibration Alarms.” Alarm thresholds are calculated automatically based on the information you provide and are triggered when the vibration severity reaches what may be an unsatisfactory level.

This is also where you select “Notification Recipients.”

< 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

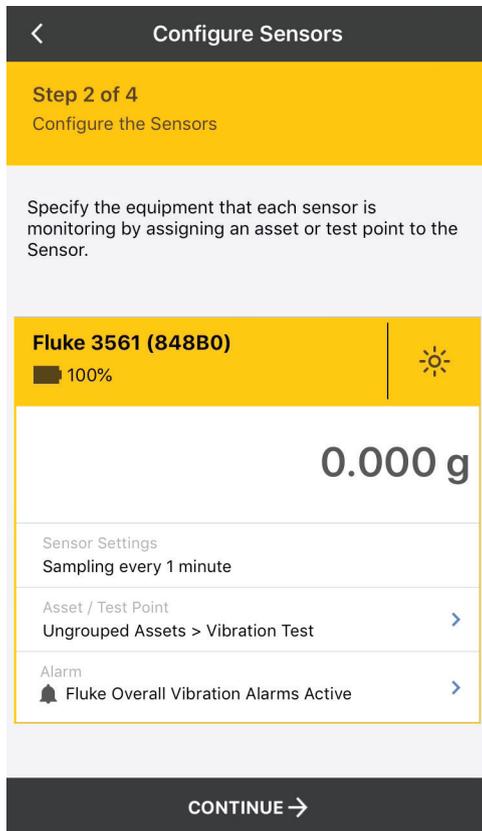
Specific Team Members

SAVE & CONTINUE

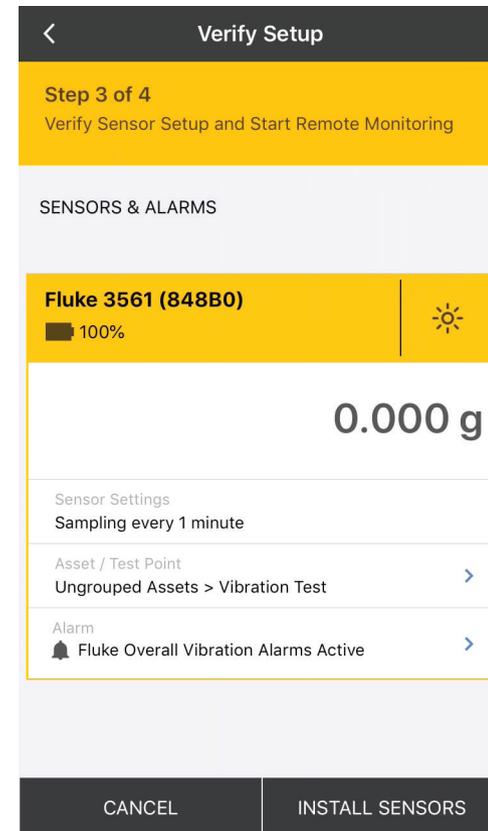
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This screen provides an overview of the configured sensor. Select “Continue.”



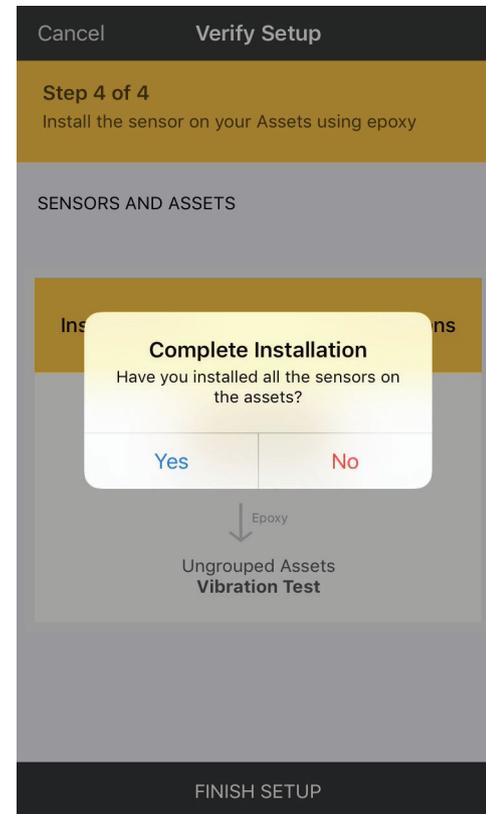
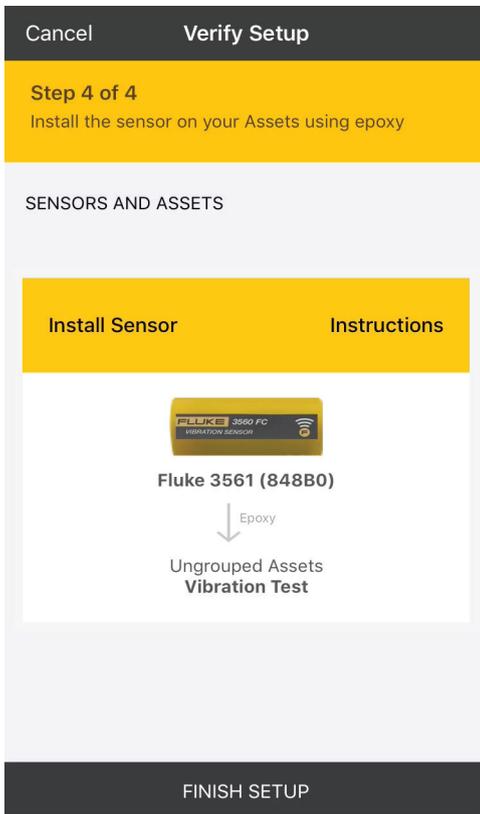
Verify sensor setup and then select “Install Sensors” on the bottom right hand of the screen.



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Temporarily place the sensor on your asset to verify that the Gateway and Sensor are within Wi-Fi and Bluetooth coverage proximity. Upon confirmation, install the sensor on your asset using the included epoxy and select “Finish Setup.”

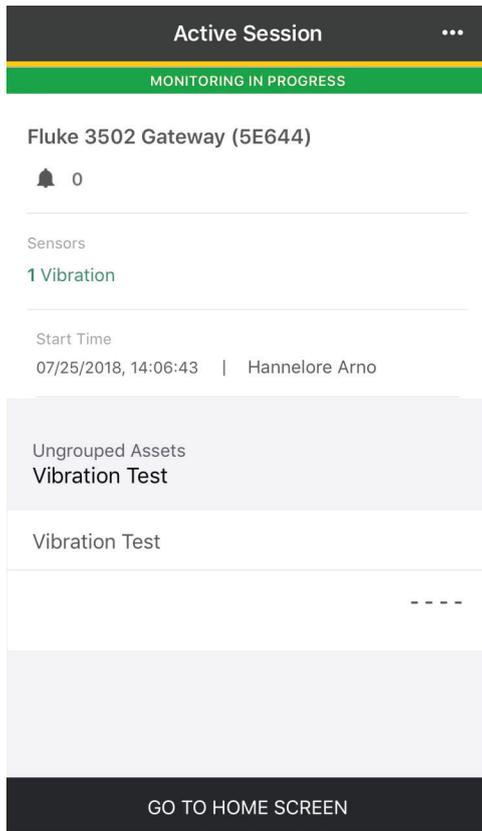
Once sensor installation is complete, select “Yes.” If you have not installed all the sensors on your asset, select “No.”



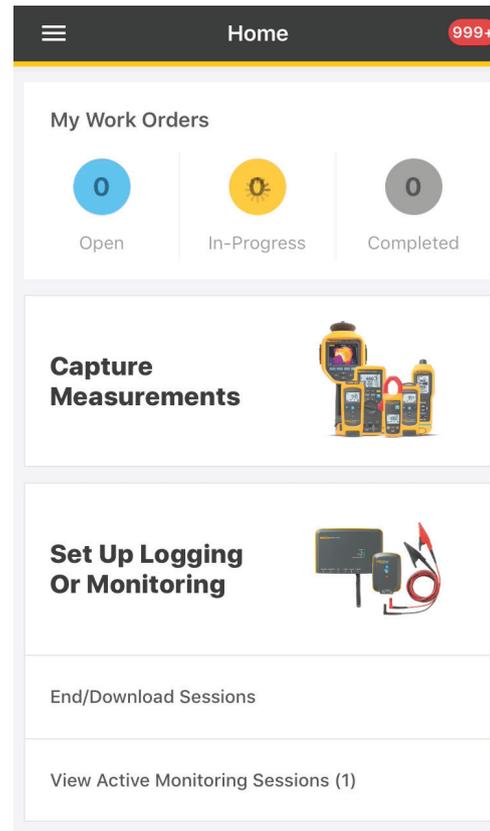
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Select “Go To Home Screen.”



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. Tapping anywhere in the “Monitoring in Progress” section will take you to the session data and graphs.

MONITORING IN PROGRESS

Fluke 3502 Gateway (5E644)

🔔 0 🚨 1

Sensors

1 Vibration

Start Time

07/25/2018, 14:06:43 | Hannelore Arno

Assets (1)

Ungrouped Assets

Vibration Test

< Fluke 3502 Gateway (5E644) ...

MONITORING IN PROGRESS

Fluke 3502 Gateway (5E644)

🔔 0 🚨 1

Sensors

1 Vibration

Start Time

07/25/2018, 14:06:43 | Hannelore Arno

Assets (1)

Ungrouped Assets

Vibration Test

Ungrouped Assets

Vibration Test

Vibration Test

1H 8H 1W 3W ALL

Overall Vibration - in/s Temperature - °C

< Fluke 3502 Gateway (5E644) ...

Overall Vibration - in/s Temperature - °C

1.000 in/s 1.0 °C

0.500 0.5

0.000 0.0

-0.500 -0.5

-1.000 -1.0

13-07-18 13-17-18 13-27-18 13-31-18 13-31-18 13-31-18 14-02-18

07/25/18

	MAX	MIN	
X Axis	---	---	---
Y Axis	---	---	---
Z Axis	---	---	---