Petasense

Vibration Mote

User Manual

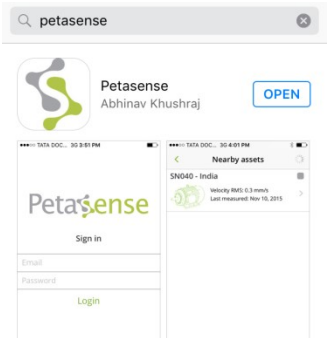
Mote Installation Instructions

Items required for setup

1. Petasense Vibration Mote
2. Cellular gateway / WiFi connection
3. CR 123A battery
4. Steel reinforced epoxy putty
5. Mobile Device (iPhone, iPad, etc.)

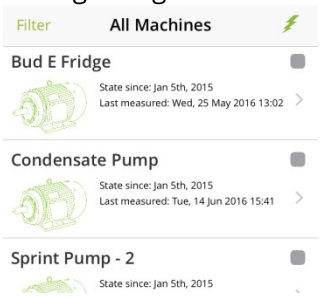
Using Petasense Mobile App

1. Download and install the Petasense app from the Apple Store (free).

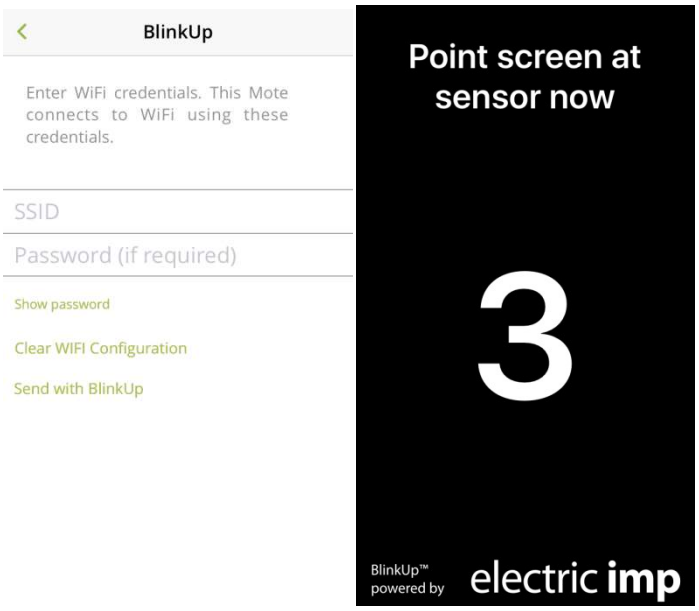


2. Login to the Petasense App using your email and password.

3. After logging in, all the machines that have connected Motes will be displayed. To connect a new Vibration Mote to WiFi, click the lightning bolt button on the top right corner.



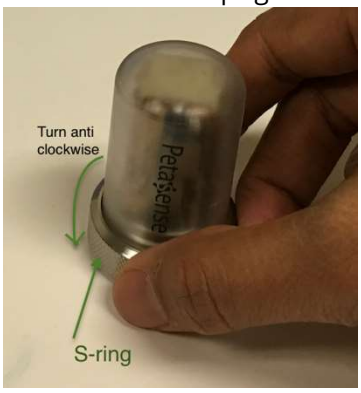
4. You will be brought to a screen prompting an SSID/Password. After entering this information, press “Send with Blinkup”, and the screen will turn black showing a countdown before blinkup happens.



5. Hold the mobile device against the side of the Vibration Mote to send blinkup information to the device.

Connecting Petasense Motes to WiFi

6. Hold the Mote upright and remove the S-ring completely by turning it anti clockwise



2. Remove the translucent cover from the steel base by holding with two fingers at the grips

3. Insert CR123A battery inside the battery holder

4. Mote will automatically attempt to connect to WiFi. If it has been pre-configured with the correct SSID/Password, you won't have to set it again. If WiFi has not been pre-configured, use the "Blinkup feature" on the Petasense app to set the SSID/Password configuration. For more information, see section on "Using Petasense Mobile App".
5. It will blink red/amber for a few seconds while searching for the network. Once the network is found it will blink green for a few times. After about 5-10 seconds the green light will disappear.

6. Replace the cover to the metal base. Ensure that the cover is aligned with the grips. It will only fit in one way.

7. Replace the S-ring from top and screw it tightly to the mount.

Installing Mote on the target machine

1. Identify the Mote installation location on the machine. Ideally it's on the bearing on the drive end.
2. Clean the surface using acetone or equivalent.
3. Mix the two-part steel epoxy (included) thoroughly until it's a uniform gray color

4. Roll it into a long thick string and place it around the hole on the bottom of the Mote

5. Place the Mote onto the bearing on the install location and press it down and hold for 30 seconds.

Videos with detailed instructions

Powering on Verizon Jetpack
http://www.youtube.com/watch?v=v7JFDGdale0

Inserting battery into Mote
http://www.youtube.com/watch?v=4Dm1nTBuPEs

Mixing steep epoxy
http://www.youtube.com/watch?v=gtUxVBJGu-Q

Placing epoxy on bottom of Mote
http://www.youtube.com/watch?v=vHvGFsWClgU

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.
NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

This equipment complies with the FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.