

ABB MOTORS AND GENERATORS SERVICES, 2018

ABB Ability™ Smart Sensor

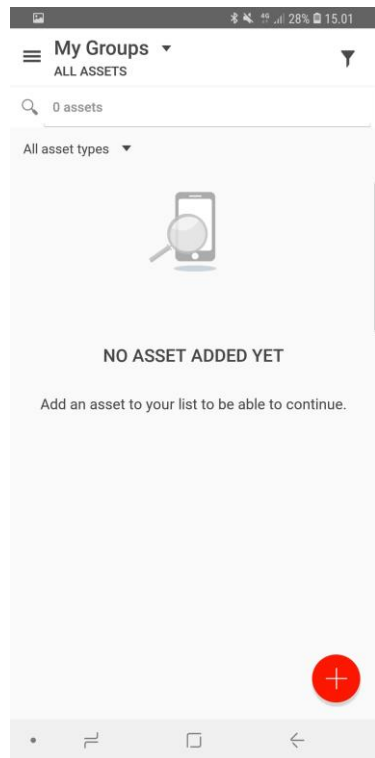
Activating and Adding Assets

App Version 6.4

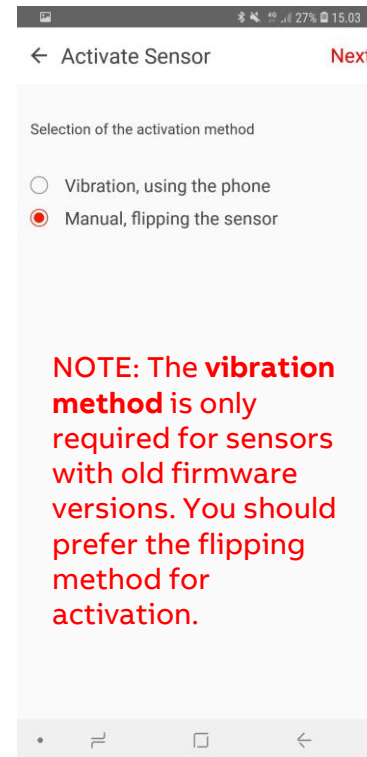
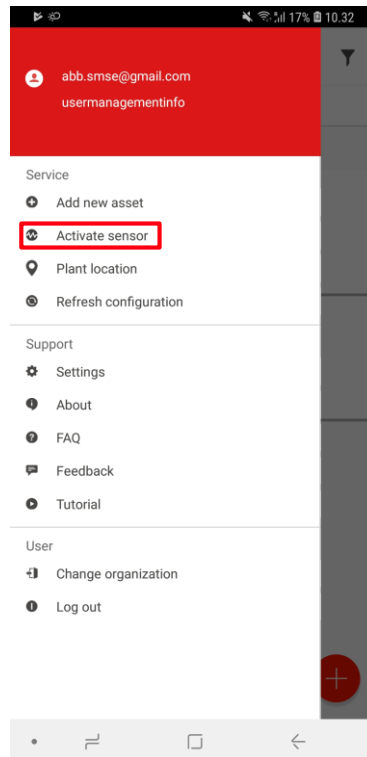
ABB Ability™ Smart Sensor

Activating your Smart Sensor

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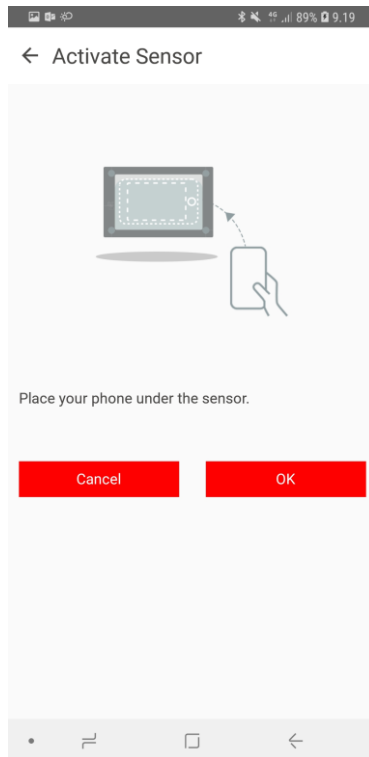


1. As a default, the app opens with a view of your “All Assets”. These are the assets in your user’s asset groups in this particular organization.
2. Begin activating the new sensor by selecting “Activate sensor” from the upper corner main menu. The sensor is shipped inactive to save battery power and to allow transportation by air. Read the desired sensor’s QR code from the sensor’s sticker.
3. Select the method you want to use to wake up the Smart Sensor.

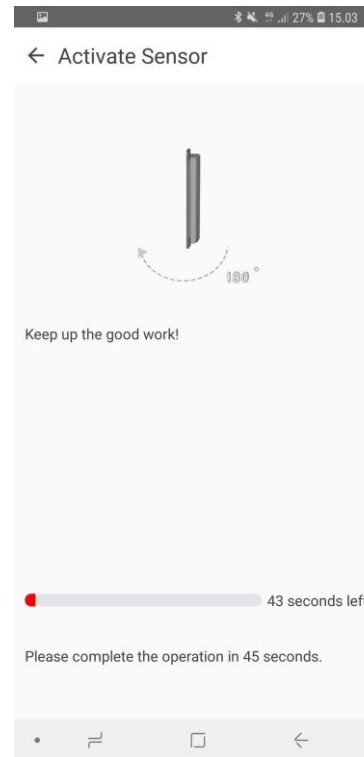
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Activating your Smart Sensor

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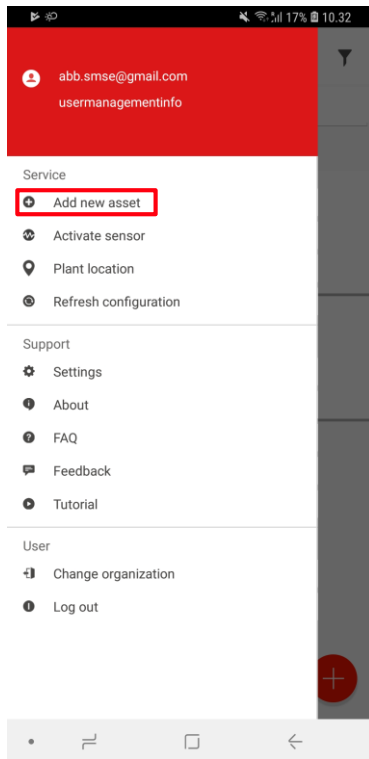
3. Vibration activation:
Place your phone under the sensor and press "OK".
4. Manual activation:
Flip your Smart Sensor from top to bottom in approximately every 4 seconds.

Continue until the system tells you that your Smart Sensor has been awakened.

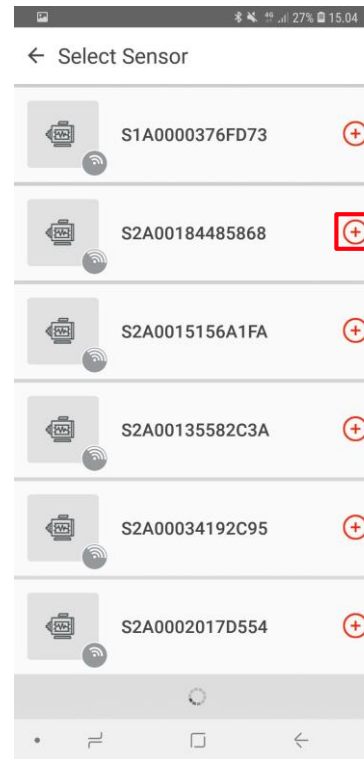
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Commissioning your Smart Sensor

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1. To start using your awakened Smart Sensor, begin by selecting "Add new asset" from the upper left corner main menu.
2. A list of serial numbers of all Smart Sensors inside your Bluetooth range appears. Select the correct sensor by pressing the "+" button. You can check your sensor's serial number from the sticker on it's side.

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Commissioning your Smart Sensor

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← Add asset Done

ADD ASSET IMAGE

Asset Name

Serial Number

Description

Plant

4

← Nameplate List

ADD NAMEPLATE IMAGE

Motor Standard Add Value

NEMA IEC

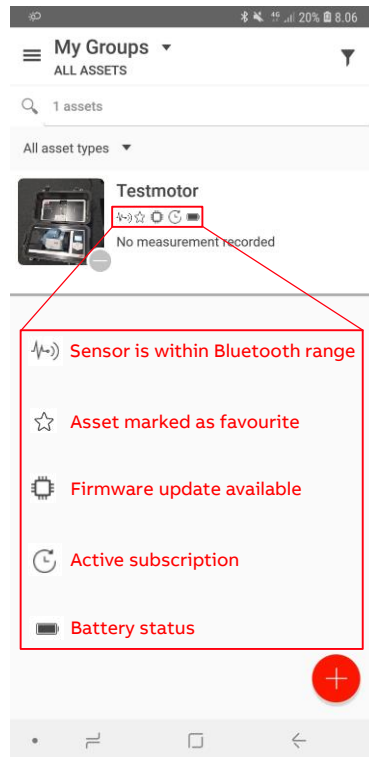
NEXT

3. After your smart device finds the connection with your Smart Sensor, you are able to start defining the asset's parameters. Begin by adding an image, name and serial number of your asset and information of your asset's plant.
4. The next step is to add the name plate information of your asset. You should also add a photo of the name plate for reference. Please fill all required values.

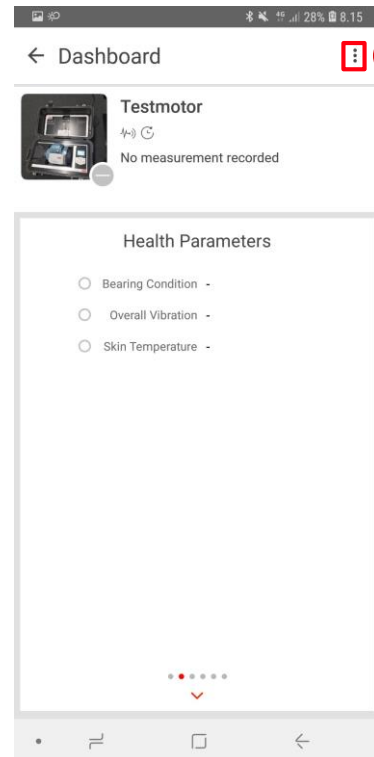
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Commissioning your Smart Sensor

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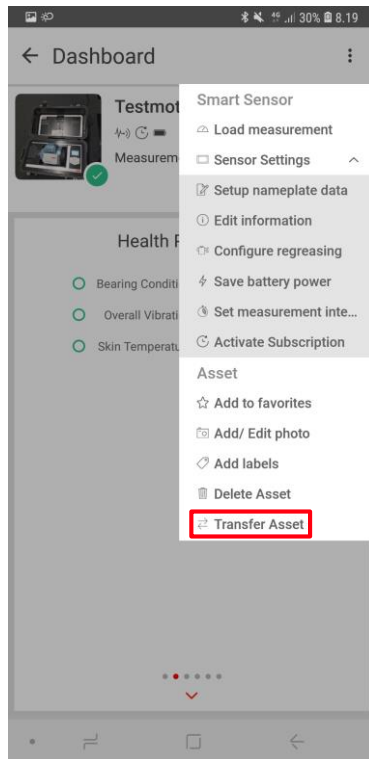


5. After filling in the name plate data, you can find the asset from the app's main view with some symbols giving additional information.
6. By clicking on your asset, you open a view with asset's operational data and health condition.
7. You can manually load your asset's first measurements by pressing the menu button and selecting "Load measurements". With this action all data from the internal memory of the Smart Sensor and one additional measurement taken at that moment will be uploaded to the Smart Sensor Portal.

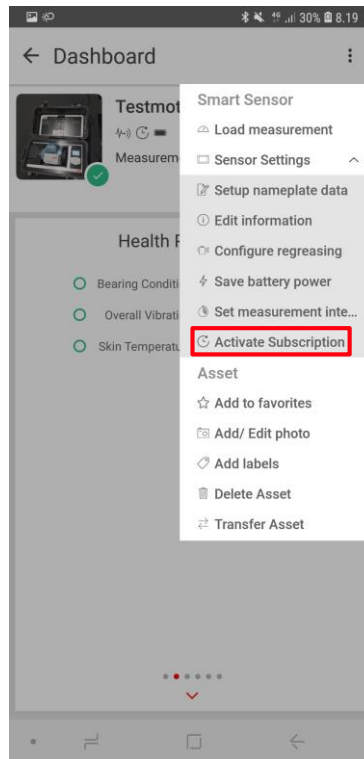
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Asset Transferring and Subscription Activation

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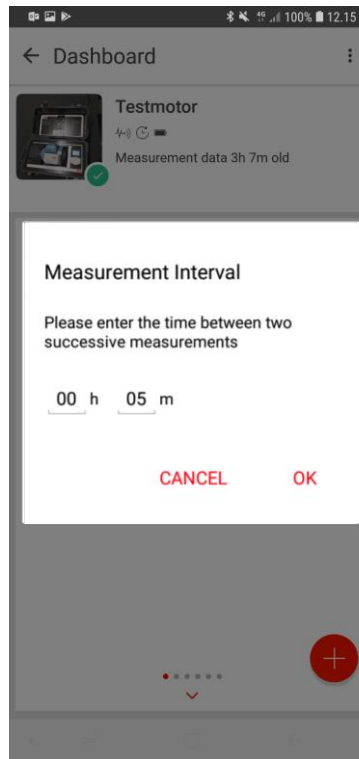
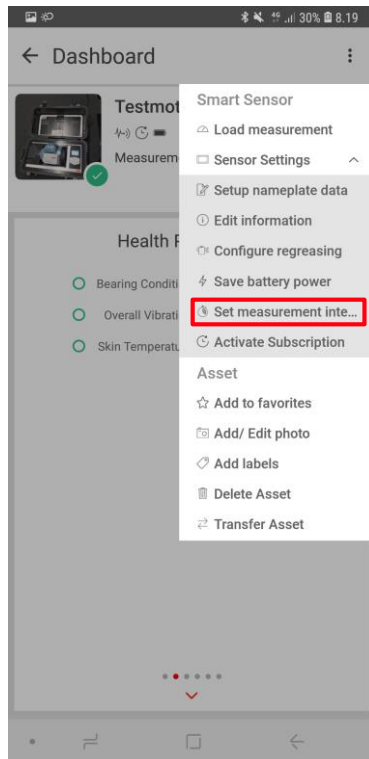
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8. From your asset's menu bar you can find all of the functions to use and control your asset's Smart Sensor. Newly installed assets are always first added to your private group "My Assets", and therefore will only be visible to you. You can move the asset to a public asset group with the "Transfer Asset" function.
9. Your Smart Sensor has a built-in 60-day free trial period after which you have to enter a subscription code to continue using your sensor. The Subscription Code can be entered by pressing the "Activate Subscription" button and reading the QR code from your Subscription Code sheet.

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Changing the measurement interval

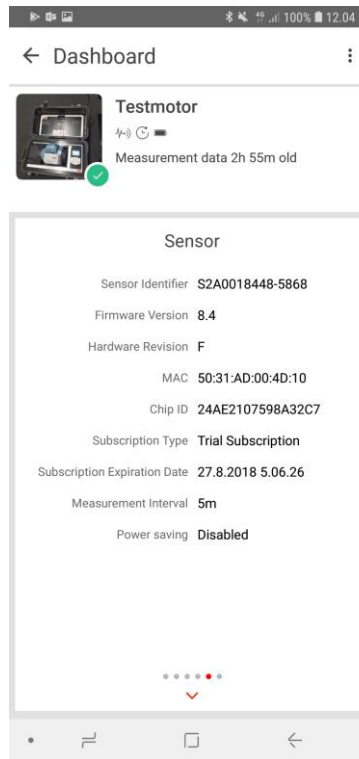
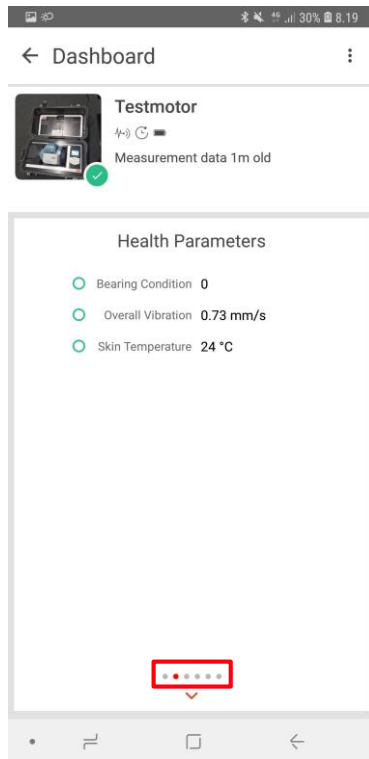


Smart Sensor's measurement interval is set to one hour by default. However, you can change the interval from the asset menu's "Set measurement interval" button to a minimum of 5 minutes.

Please note, that shortening the measurement interval correlates to Smart Sensor's battery lifetime and the history length of the sensor's internal memory.

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Asset parameters



Asset's last measured health parameters, operational parameters, event log etc. can be viewed by scrolling left and right in the asset page.

You can check your sensor's firmware version, serial number, subscription type etc. from the "Sensor" page.

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