ABB Ability™ Smart Sensor

What’s new?

Web portal

**Requested measurement ready - notification**
New notification type "Load measurement on demand result". This notification is sent to the user when the operation has been completed and the user can observe the results in the portal.

**Sensor not sending measurements - notification**
New notification type "List of sensors that have not provided measurement information in the last period". This notification is sent to the organization moderator when the gateway has not been able to connect to a sensor within the expected time.

**Invited user joined organization - notification**
A notification will be sent to the organization moderators (members of organization administration user group) when the invited user has completed the process to join the organization.

**Overlapping histograms**
It is now possible to plot different assets in the same histogram on the Powertrain portal.

**Sensor signal strength – information**
In case the asset is monitored by the gateway, the user can see the signal strength value in the portal under Sensor properties as “Sensor to gateway RSSI value”.

RSSI value can be roughly categorized to the following groups:
- RSSI value between 0 and -70 dBm is good
- RSSI value between -70 dBm and -80 dBm is fair, sensor might be read time to time
- RSSI value below -80 dBm is poor, most probably the sensor cannot be read

**Total running time - KPI precision to be 0.1 hours**
The running time is indicated with decimal hours, e.g. 1.8 hours means 1 hour 48 minutes.

Application

**Sensor signal strength – information**
Signal strength is indicated on the sensor card of the asset.
Sensor cards with no information
Empty sensor cards without information are indicated with text “nothing to report”.

Newly commissioned sensor to be added into an asset group
The application will request the user to assign an asset group to the sensor during the commissioning action. The user can select the asset group from the available list. New asset groups can be created in the portal if needed.

Sensors

ABB Ability™ Smart Sensor for bearings
Vibration Over Range KPI
Vibration Over Range KPI has been introduced for the Smart Sensor for mounted bearings. This new KPI will be listed under the operational parameters and will replace the Flags KPI. The KPI will show a value of either 0 or 1. Value of 0 indicates that the acceleration range that you have selected for your sensor is adequate, and 1 indicates that the accelerometer range needs be adjusted to a higher range. In order to adjust the accelerometer range for your sensor, you will need to be in range of the sensor and use the mobile app. The Set accelerometer range option is in the asset menu under Calibration.

Remember: Default accelerometer range is 2g.

Previous What’s New documents
Previous What’s New release notes can be found here.