



# SensoNODE™ Mobile

iOS User Guide

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# SensoNODE™ iOS Guide

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# SensoNODE™ Mobile iOS Guide

SensoNODE™ Mobile enables users to connect to the SensoNODE™ series wireless sensors using Bluetooth® Smart. It is designed to eliminate the challenges of traditional wired sensors in everyday applications and can help predict problems and prevent downtime in a variety of equipment and facility applications, saving time and money on costly labor or repairs. The application provides real-time sensor data, trending graphs, and user defined alerts.

## Getting **Started**

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- Download App [here](https://itunes.apple.com/us/app/sensonode/id854658474?mt=8) (https://itunes.apple.com/us/app/sensonode/id854658474?mt=8)
- Requires iOS 8 or later iOS for iPhone, iPad, and iPod touch
- Compatible with SensoNODE™ Mobile Low Energy Sensor(s)
- Optimized to connect up to five sensors concurrently

# Quick **Start:** Connecting and Disconnecting a Sensor



1

Start the **SensoNODE™ Mobile** app.



2

**SensoNODE™ Mobile** scans for available sensors.



3

**Discovered and available sensors are displayed.**

**Note:** A discovered sensor advertises for two minutes and then goes into a sleep mode. If a user doesn't connect within the two minutes, the sensor must be powered on to start another advertising session.



4

Select the **Connect** button to connect to the sensor

# Quick **Start:** Connecting and Disconnecting a Sensor



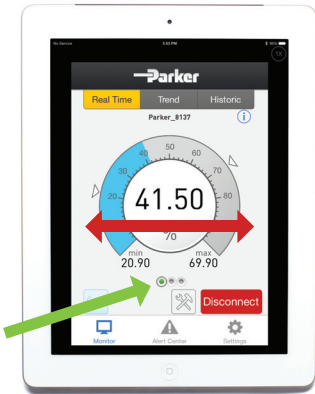
5

Once connected, the **SensoNODE™ Mobile** app will display the unit value related to the sensor

**Select the Disconnect button to disconnect from the sensor**

**Note:** The disconnected sensor will advertise for two minutes after disconnection and then go into a sleep mode. If a user doesn't connect within the two minutes, the sensor must be powered on to start another advertising session.

# Using **SensoNODE™ Mobile**: Multiple Sensors and Status Indicators



1

**SensoNODE™ Mobile** displays a Status Indicator for each sensor discovered or connected located below the gauge in the Real Time view. Users can swipe right or left to display a specific sensor when multiple sensors are available.



2

The Status Indicator combines the two following visual elements:

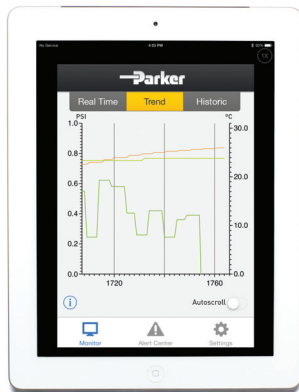
- 1) **Selected** – Highlights the selected sensor with a gray circle
- 2) **Status** – Displays the respective status of a sensor:
  - a. **Gray** – Available sensor (Not Connected)
  - b. **Green** – Connected sensor
  - c. **Yellow** – Connected sensor with one or more alerts


# Sensor **Data Views** // Realtime



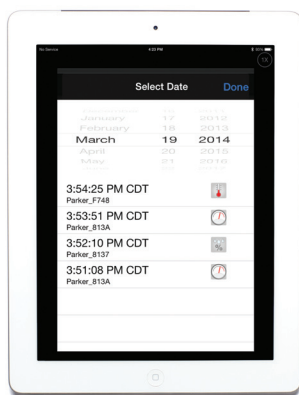
- 1 Displays the following information about the selected sensor:
  - 1) Sensor name
  - 2) Value (Numerical and Gauge)
  - 3) Unit of measurement
  - 4) Min and Max values recorded during current session (Numerical and Gauge)

# Sensor **Data Views** // Trend



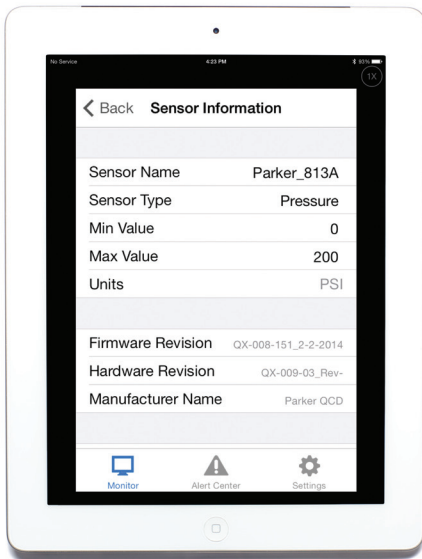
- 2 Displays chart with plotted values of individual sensors connected during the session. Features in the Trend view include:
  - 1) **Chart Legend** – select the  icon
  - 2) **Autoscroll** – Enable / Disable autoscrolling as new data is collected
  - 3) **Pinch-to-Zoom** – Navigate through the chart with multi-touch gestures.

# Sensor **Data Views** // Historic



- 3 All sensor data is recorded while connected and viewable via the Historic tab or Settings->Sensors History. To view an Historic chart, select the Select Date feature and choose the desired date and session to load the corresponding sensor data and Chart Legend.

**Note:** Connection to sensor not required to access the Historic view.



**Sensor Name:** Customizable field that displays the broadcast name of the sensor by default

**Sensor Type:** Displays the type of sensor

**Min Value:** Displays the minimum range for the type of sensor based on the selected Units

**Max Value:** Displays the maximum range for the type of sensor based on the selected Units

**Units** – Selectable field to display value in desired units:

Temperature: **C** (Celsius) / **F** (Fahrenheit)

Pressure: **PSI / BAR**

Humidity: %

**Firmware Revision**

**Hardware Revision**

**Manufacturer Name**

**Autocollect Data:** Enables an automatic connection when a sensor is discovered eliminating need for the user to select the Connect button

**Collection Frequency:** Sets the collection frequency for the app to display data

**Alert Builder:** Component that enables user to build alerting rules for associated sensor




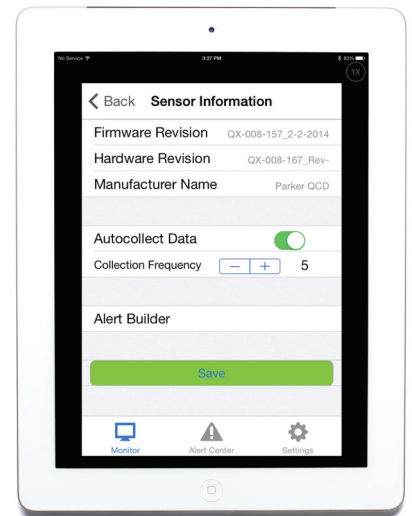
# Alert Builder

The **SensoNODE™ Mobile** Alert Builder enables user to create unique alerting rules for specific sensors. When the value of a sensor reaches the defined alerting rule threshold, SensoNODE™ Mobile generates an alert for the user. Alert notifications occur within the SensoNODE™ Mobile app – Alert Center and Status Indicator, iOS Notification Center, and SensoNODE™ Mobile app icon badge.

## Building an alert rule

1

Select the Sensor Information icon  for the desired sensor and then Alert Builder component

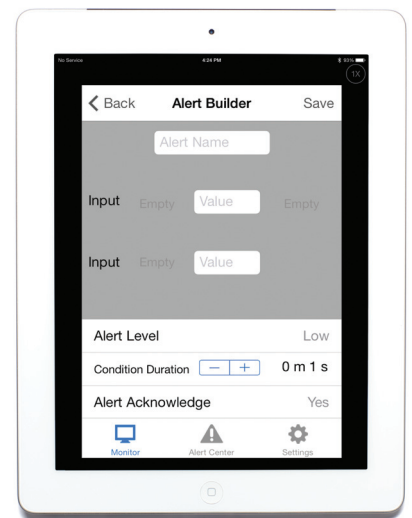


Select the **Add** icon + in the Alert Rules section

2

**Enter the desired information for the following**

- 1) Alert Name
- 2) Value for threshold
- 3) Operator
- 4) (Optional) Second value for threshold
- 5) (Optional) Second operator for second value
- 6) Alert Level
- 7) Condition Duration – Amount of time value exceed the alerting rule threshold
- 8) Alert Acknowledge – Requires user to acknowledge an alert



Select the **Save** button

# Alert Center

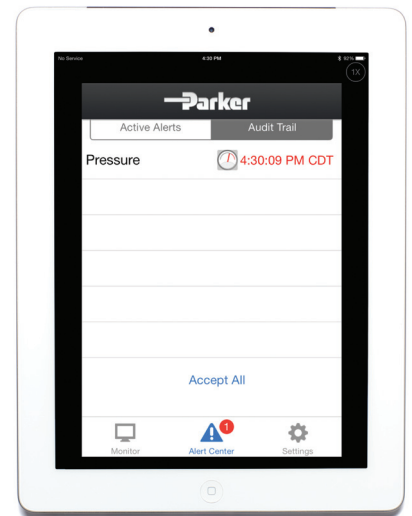
The Alert Center displays alerts in two sections, which include the Active Alerts and Audit Trail. The Active Alerts section shows all active alerts that are either currently exceeding the respective alerting rule threshold or are no longer exceeding the threshold, but require an acknowledgement. The Audit Trail section shows all alerts generated from sensors while connected.

## Acknowledging an Alert

Select a specific active alert from the Active Alert section in the Alert Center.

**Note:** The **Accept All** function in the Alert Center will accept all active alerts.

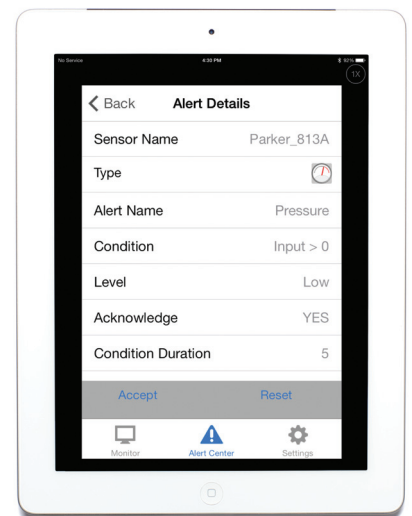
1



Select '**Accept**' to accept the alert.

**Note:** The **Reset** function clears the threshold and duration for the specific alert and will remove it from the Active Alerts list.

2



# FAQ

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**Q: What is the range of SensoNODE™ Mobile sensors?**

**A:** The optimal range of the sensor to the app is up to 70ft. Environment factors may extend or shorten the range.

**Q: How many SensoNODE™ Mobile sensors can connect to the SensoNODE™ Mobile app?**

**A:** There can be up to five concurrent SensoNODE™ sensors connected to the SensoNODE™ Mobile app, but there is no limitation on how many nonconcurrent sensors may be connected.

**Q: Can a SensoNODE™ Mobile sensor connect to different iOS devices?**

**A:** Yes. The SensoNODE™ Mobile sensor can connect to any compatible iOS device with the SensoNODE™ Mobile app installed. However, the SensoNODE sensor can only connect to one iOS device at a time.

**Q: Where is more information available about the SensoNODE™ Mobile app and sensors?**

**A:** More information can be found at: <http://solutions.parker.com/wirelessmonitoring>

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