SCOUT™ Mobile User Guide 3.1

iOS User Guide 3.1 - SCOUT | February 2017

ENGINEERING YOUR SUCCESS.

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SCOUT™ Mobile – Supported Devices

iPhone

- iPhone (4S and newer)

iPod

- iPod Touch (5th Gen and newer)

iPad

- iPad (3 and newer)
- iPad Air (1st Gen and newer)
- iPad Mini (1st Gen and newer)
- iPad Pro

The Four Tabs of SCOUT™ Mobile 3.1

SCOUT

- Manage sensor inventory and interact with measurements

Dashboard

- Custom lists of sensor measurements, trend charts, and radial gauges

Calculate

- Use measurements to display desireable, predefined calculations

Settings

- Customize the application

Notes

General

- SCOUT™ Mobile 3.0 is compatible with iOS multitasking. Read more at **https://support.apple.com/en-gb/HT202070**
- Larger screen devices such as iPads and iPhone Plus models (landscape orientation) benefit from a convenient split-view
- Many elements in SCOUT™ Mobile can be **Swiped** to access common functions

Connected versus Broadcast

Connecting to a sensor creates an exclusive connection to that sensor making it unavailable to other nearby mobile devices. While **Connected**, a sensor sends reliable **Measurement** updates to ONLY one mobile device at a specified interval. A **Connected** mobile device has the ability to communicate and perform sensor setup and configuration. While **Connected**, SCOUT™ Mobile is kept awake and can respond to that specific sensor's **Measurement** updates. Connected sensors allow SCOUT™ Mobile to generate **Critical Alarm** notifications even while the mobile device's screen is locked or powered-off.

When NOT **Connected**, most sensors will become "available" and some sensors can **Broadcast** their sensor **Measurements**. **Broadcasted** sensor **Measurements** are "available" to other nearby devices that have SCOUT™ Mobile open with the screen powered on and unlocked. **Broadcasting** sensors have limitations: updates are not guaranteed, and the SCOUT™ Mobile needs to be open and on-screen to "see" the **Broadcast Measurements**.

Broadcast Measurements are good for quickly checking a sensor's current **Measurement** value. **Connecting** to a sensor is recommended for scenarios where you need a clearer view of changes to a sensor's **Measurement**.

Service Desk

Navigate to **https://phscout.atlassian.net/servicedesk/customer/portal/2** for the ability to report an issue or get additional information on SCOUT™ Mobile

Tab: **SCOUT**

Add Sensor

To use a sensor, it must first be added to SCOUT™ Mobile. All powered-on, in-range, and **Disconnected** SensoNODE™ Blue sensors will be visible. The sensors are listed in the order in which they were discovered.

1. Tap + icon (at top of screen)
    a. Alternatively, Tap **Add a sensor to get started** (in left-navigation window)
2. Touch **Refresh** (clears list and discovers sensors)
3. Tap desired sensor
4. You are directed to the **New Sensor** screen
5. Tap **Add** (if no changes are desired) and skip to **Measurement Detail** section
    a. If changes are desired, continue reading **Sensor Setup** section (skip to Preview)

Sensor Setup

Some sensors offer advanced settings. These can be accessed when initially adding a sensor, or from the SCOUT tab.

Method 1

1. Tap the **Ellipsis** associated with desired sensor
2. Tap **Sensor Setup** (on the popup)

Method 2

1. Swipe left on desired sensor (in the left-navigation window)
2. Tap **Setup**

Preview

The sensor and its measurement(s) are previewed at the top.




Options

Local Name

Every sensor in SCOUT™ Mobile has a **Local Name**. The **Local Name** is the name for the sensor hardware. The **Local Name** is only visible on the mobile device which it was created. The **Local Name** should not be confused with a sensor's **Programmable Name** (detailed below).

1. Tap **Name**
2. Tap the **X** icon (on the popup)
3. Enter desired **<sensor name>** (on the popup)
4. Tap **Save**

Color

Choose a color for easier identification. Sensor measurements will inherit a lighter version of this color. A checkmark identifies the currently selected color.

1. Tap **Color**
2. Tap desired **Color**

Other Measurements

Sensors have one or more measurements. The first is considered the **Primary** and cannot be changed or disabled. **Secondary** measurements can be enabled or disabled. Enabled measurements are shown in the preview at the top of the **Sensor Setup** screen. When a measurement is disabled, configuration and historical data are preserved.

Available Secondary Measurements

- Displacement Sensor
  - Displacement B
- Humidity Sensor
  - Ambient Temperature
- Pressure Sensor
  - Ambient Temperature
- Temperature Sensor
  - Ambient Temperature

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Tab: **SCOUT**

Sensor

Programmable Name

This setting is saved to the sensor hardware. The **Programmable Name** is the name for the sensor hardware. The programmable name is used by SCOUT™ Mobile as the default name when adding as a new sensor – viewable by all mobile devices. Changing the **Programmable Name** will not change the **Local Name** (detailed above). **Programmable Names** must be 12 characters or less, and may only contain Latin-1 characters, numbers, and a decimal point. Changing the **Programmable Name** requires the mobile device to be **Connected** to the sensor. This option is only available for compatible sensors.

1. Tap **Programmable Name**
2. Tap the **X** icon (on the popup)
3. Enter desired **<programmable name>** (on the popup)
4. Tap **Save**

Power Off Mode

This option is only available for compatible sensors. There are two **Power-Off Modes** – **Automatic** and **Manual**. When **Automatic** is selected, the sensor will power-off after two minutes of being **Disconnected**. This mode saves power and should only be used when the user has physical access to the sensor. When **Manual** is selected, the sensor will stay powered-on indefinitely. The user can manually power-off a sensor by pressing the power button for five seconds. When a sensor is off, the user must physically push the power button to power-on the sensor. Changing the **Power-Off Mode** requires the sensor to be **Connected**. The sensor is set to **Manual** mode by default.

Change Power-Off Mode to Automatic

1. Tap **Power-Off Mode**
2. Tap **Change to Automatic** (on the popup)

Change Power-Off Mode to Manual

1. Tap **Power-Off Mode**
2. Tap **Change to Manual** (on the popup)

Broadcast Interval

This option is only available for compatible sensors. The **Broadcast Interval** configures how often the sensor broadcasts measurement data when the sensor is **Disconnected**. This mode is only available when **Show Intervals** is enabled in SCOUT™ Mobile Settings. The **Broadcast Interval** is only used in **Manual Power-Off Mode** (it is ignored in **Automatic Power-Off Mode**). A shorter interval uses more battery than longer intervals. A longer interval directly impacts how long it takes to **Connect** to the sensor. Changing the interval requires the sensor to be **Connected**. A checkmark identifies the currently selected **Broadcast Interval** value.

1. Tap **Broadcast Interval**
2. Tap desired **Broadcast Interval** value

Measurement Interval

This option is only available for compatible sensors. The **Measurement Interval** configures how often the sensor sends measurement data when the sensor is **Connected**. This mode is only available when **Show Intervals** is enabled in SCOUT™ Mobile **Settings**. Longer measurement intervals send data less frequently – ideal for long-duration recordings. Changing the interval requires the sensor to be **Connected**. A checkmark identifies the currently selected **Measurement Interval** value.

1. Tap **Measurement Interval**
2. Tap desired **Measurement Interval** value

Info

The information section provides technical information at a glance.
The following information is available:

Firmware Revision: Sensor's firmware version
Hardware Revision: Sensor's electronic hardware version
Sensor ID: Sensor's unique identifier
Battery Strength: Strength of the sensor's battery
Signal RSSI: Strength of the sensor's Bluetooth signal

The above information is available to copy and paste.

1. Tap the desired **Information**
2. Tap **Copy** (on the popup)

Note: Tap **Add** (if sensor is being added to mobile device for first time)

Measurement Detail

Sensors have one or more **Measurements**. The first **Measurement** is the **Primary Measurement** and cannot be changed or disabled. Each measurement has a numeric value and a unit associated with it. For example, a pressure sensor has two measurements: Pressure (Primary) and Ambient Temperature (Secondary). Touching either **Measurement** (in the left-navigation window) will display the respective **Measurement Detail**.

Visualizations

At the top of the screen, the current measurement icon, value, unit, name, and status are shown along with a **Visualization** (such as a **Trend Chart**, **Radial Gauge**, or both.) **Visualizations** can be changed using the **Ellipsis** icon. **Visualizations** can be enlarged as well.

Trend Chart

By default, the trend chart calculates an average for a given **Trend Duration** and **Sample Period**. The default **Trend Duration** is 30 minutes and default **Sample Period** is five seconds. This means the **Trend Chart** will display **Measurements** taken every five seconds for 30 minutes. Touch the gear icon to change the **Trend**, show the minimum and maximum for each sample period, export data to a CSV, adjust zoom settings, or reset **Trend Graph Data**. **Multiple Trends** may be stored in the back ground concurrently.

Trend Chart Settings

1. Tap **Gear** icon (in the **Trend Chart Legend**)

Trend

1. Tap **Current Trend**
2. Tap **On / Off** icon to store desired **Trend Graph Data**. (Green denotes on, white denotes off)

Display Trend Data in Trend Chart

The **Trend** with a gray background will be displayed on the **Trend Chart**.

If desired **Trend Graph Data** is currently being stored:

1. Tap desired **Trend** to change background to gray

If desired **Trend Graph Data** is currently NOT being stored:

1. Tap **On / Off** icon to store desired **Trend Graph Data**. (Green denotes on, white denotes off)
2. Tap desired **Trend** to change background to gray

or

1. Tap desired **Trend** (**Measurement Detail** screen automatically displays after)

Series

Display the minimum and maximum **Measurements** within the **Sample Period** on the **Trend Chart**.

1. Tap **On / Off** icon to enable. (Green denotes on, white denotes off)

Zoom and Scroll

It is possible to zoom in on the **Trend Chart** in the X direction only, Y direction only, or the X and Y directions simultaneously. After zooming in or out by **Pinching** or **Spreading** the **Trend Chart**, the user can scroll around the **Trend Chart** as well.

1. Tap **On /Off** icon next to desired **Axis** to enable. (Green denotes on, white denotes off)

Reset Graph Data

The **Trend Chart** stores the data according to the **Trend Duration**. Once the **Trend Chart** has been storing data for longer than the **Trend Duration**, the most recent data is maintained.

For example, if the **Trend** is set to a **Trend Duration** of 30 minutes and a **Sample Period** of five seconds - 30m trend (5s) – and the **Trend Graph Data** has been stored for 120 minutes, the initial 90 minutes will be discarded and the **Trend Chart** (and **Trend Graph Data**) will display the most recent 30 minutes.

The **Trend Graph** can also be reset and the **Trend Graph Data** be deleted. Once deleted, this data CANNOT be restored.

1. Tap **Reset Graph Data**
2. Tap **Reset** (on the popup)

Export Trend Graph Data

Exported Trend Data provides the **Sensor ID, Local Name, Measurement Name, Trend, Start Time, End Time, Timestamp** (determined by the device running SCOUT™ Mobile), maximum **Measurement**, minimum **Measurement**, and average **Measurement** values (all to one decimal place).

1. Tap the **Envelope** icon (in the top-right corner of the screen)
2. Tap the **Share** icon (in the top-right corner of the screen)
3. Tap the desired sharing method icon
4. Enter **<contact(s)>** in the **To:** field
5. Tap **Send**

Measurement Detail

Radial Gauge

The **Radial Gauge** is a **Visualization** that uses a needle and labels to show the current measurement value. **Alarm Thresholds** are viewable on the **Radial Gauge**. The **Critical** value areas are denoted in red. The **Warning** value areas are denoted in yellow. The non-alarm value area is denoted in green. The minimum and maximum **Measurement** area is denoted in pale yellow. The needle displays the current **Measurement** value. The **Target** value is denoted by a green triangle. **Radial Gauge** visualization adjustments may also be made (see **Visual Limits** below).

Display Trend Chart

The **Trend Chart** is displayed by default.

1. Tap the **Ellipsis** icon (in the top-right corner of the screen)
2. Tap **Chart**

Display Radial Gauge

1. Tap the **Ellipsis** icon (in the top-right corner of the screen)
2. Tap **Gauge**

Display Trend Chart and Radial Gauge

1. Tap the **Ellipsis** icon (in the top-right corner of the screen)
2. Tap **Chart and Gauge**

Enlarge Visualization

Visualizations can be enlarged using two different methods. The first method hides the left-navigation. The second displays the **Visualization** full screen.

Method 1

1. Tap the **Enlarge** icon (in the top-center of the screen)

Method 2

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Enlarge Visualization**

Shrink Visualization

Enlarged **Visualizations** can be returned to the previous view by using the following two methods.

Method 1

1. Tap **<Back>** (in the top-center of the screen)

Method 2

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Shrink Visualization**

Recording

Unlike **Trends**, recordings save all **Measurements** received from a sensor - one **Measurement** at a time. The sensor must be **Connected** for a **Measurement** to be recorded. Starting a recording will automatically display a live-updating chart. Stopping a **Recording** will also display the chart. A CSV can be exported for each recording.

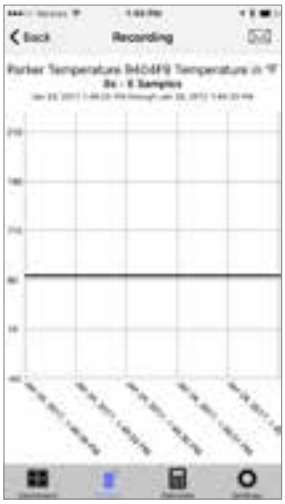
Recordings are identified by the date (mm/dd/yy), time **Recording** initiated (as determined by device running SCOUT™ Mobile), duration of **Recording**, and number of samples taken within **Recording**.

If desired, **Primary** and **Secondary Measurements** are able to be recorded simultaneously. However, the user must start two separate **Recordings** - one for each **Measurement**.

Initiate Recording

1. Tap sensor's desired measurement to display **Measurement Detail** (in the left-navigation window)
2. Tap **Start** icon
3. Tap **Connect** and **Record** (on the popup)
   a. Only required if device is NOT **Connected** to the desired sensor **Measurement**

Note: A red circle will display (in the left-navigation window) when a **Recording** is active for a given sensor **Measurement**



Measurement Detail

Terminate Recording

1. Tap sensor's **Measurement,** which is currently recording (in the left-navigation window)
2. Tap **Stop** icon
3. Tap **Disconnect Sensor** or **Stay Connected**
   a. Disconnect **Sensor** will allow other devices to view sensor **Measurements** and **Connect** to sensor
   b. Stay **Connected** allows **Connected** actions by current mobile device ONLY

View Recording

1. Tap sensor's desired **Measurement** to display **Measurement Detail** (in the left-navigation window)
2. Tap **View Recordings**
3. Tap desired **Recording**

Share Recording

1. Tap sensor's desired **Measurement** to display **Measurement Detail** (in the left-navigation window)
2. Tap **View Recordings**
3. Tap desired **Recording**
4. Tap **Envelope** icon (in the top-right of the screen)
5. Tap the **Share** icon (in the top-right of the screen)
6. Tap the desired sharing method icon
7. Enter **<contact(s)>** in the **To:** field
8. Tap **Send**

Delete Recording

There are two methods to delete a recording

Method 1

1. Tap **Edit** (in the top-left of the screen)
2. Tap **Delete** icon
3. Tap **Delete** box

Method 2

1. Swipe left on desired **Recording**
2. Tap **Delete** box

Alarms

Status

The **Status** identifies the current condition of the sensor, with respect to the **Alarms**.

Status Conditions

- Critical High
- Warning High
- OK
- Warning Low
- Critical Low
- None

Alarm Thresholds

Alarms will generate a **Notification** in the **Notification Center** of the mobile device running SCOUT™ Mobile when the **Measurement** exceeds a user-defined **Threshold Value**. There are five configurable **Alarm Thresholds: Critical High, Warning High, Target, Warning Low,** and **Critical Low**. **Alarms** are signaled with a **Triangular Exclamation Point** icon.

When a sensor **Measurement** value exceeds a **Threshold Value**, an icon is visible near the **Measurement** value. If the sensor is **Connected** and the mobile device's (running SCOUT™ Mobile) screen is turned off, a notification will be generated on the lock screen.

Critical Alarms require the device running SCOUT™ Mobile to be **Connected** to the sensor to set the **Critical High** and **Critical Low Alarm Threshold Values**. These values are stored on the sensor hardware. **Warning Alarms** are stored on the mobile device running SCOUT™ Mobile. **Critical Alarms** will be visible (and active) to any subsequent mobile device which **Adds** or has already **Added** the sensor.

A **Warning Alarm** is signaled by a yellow **Triangular Exclamation Point** icon. A **Critical Alarm** is signaled by a red **Triangular Exclamation Point** icon. The direction of the **Triangular Exclamation Point** icon identifies if an **Alarm** is high or low. Once **Alarm Thresholds** are configured, SCOUT™ Mobile assumes that the non-critical and non-warning area is OK. The OK condition is signaled with a green, circular checkmark icon. The **None** condition identifies that no **Alarm Thresholds** have been set.

Measurement Detail

Set Alarms

Critical High

1. Tap **Critical High**
    a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Enter desired **<critical high alarm threshold>** (on the popup)
3. Tap **Save**

Warning High

1. Tap **Warning High**
2. Enter desired **<warning high alarm threshold>** (on the popup)
3. Tap **Save**

Target

1. Tap **Target**
    a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Enter desired **<target threshold>** (on the popup)
    a. Tap **Skip** (on the popup) to set only the **Target Threshold**
    b. Tap **Configure** (on the popup) to set the **Warning Alarm Thresholds** and **Critical Alarm Thresholds** as a percentage offset from the **Target Threshold**
        i. Enter desired **<warning alarm threshold percentage offset>**
        ii. Tap **Set Offsets**
            Note: Tap **Skip** (on the popup) to bypass setting **Warning Alarm Thresholds**
        iii. Enter desired **<critical alarm threshold percentage offset>**
        iv. Tap **Set Offsets**
            Note: Tap **Skip** (on the popup) to bypass setting **Critical Alarm Thresholds**

Warning Low

1. Tap **Warning Low**
2. Enter desired **<warning low alarm threshold>** (on the popup)
3. Tap **Save**

Critical Low

1. Tap **Critical Low**
    a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Enter desired **<critical low alarm threshold>** (on the popup)
3. Tap **Save**

Edit Alarms

Critical High

1. Tap **Critical High**
    a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**

2. Tap the **X** icon (on the popup)
3. Enter desired **<critical high alarm threshold>**
4. Tap **Save**

Warning High

1. Tap **Warning High**
2. Tap the **X** icon (on the popup)
3. Enter desired **<warning high alarm threshold>**
4. Tap **Save**

Target

1. Tap **Target**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap the **X** icon (on the popup)
3. Enter desired **<target alarm threshold>**
4. Tap **Save**
   a. Tap **Skip** (on the popup) to set only the **Target Threshold**
   b. Tap **Configure** (on the popup) to set the **Warning Alarm Thresholds** and **Critical Alarm Thresholds** as a percentage offset from the **Target Threshold**
      i. Enter desired **<warning alarm threshold percentage offset>**
      ii. Tap **Set Offsets**
      Note: Tap **Skip** (on the popup) to bypass setting **Warning Alarm Thresholds**
      iii. Enter desired **<critical alarm threshold percentage offset>**
      iv. Tap **Set Offsets**
      Note: Tap **Skip** (on the popup) to bypass setting **Critical Alarm Thresholds**

Warning Low

1. Tap **Warning Low**
2. Tap the **X** icon (on the popup)
3. Enter desired **<warning low alarm threshold>**
4. Tap **Save**

Critical Low

1. Tap **Critical Low**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap the **X** icon (on the popup)
3. Enter desired **<critical low alarm threshold>**
4. Tap **Save**

Measurement Detail

Delete Alarms

Critical High

1. Tap **Critical High**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Remove** (on the popup)

Warning High

1. Tap **Warning High**
2. Tap **Remove** (on the popup)

Target

1. Tap **Target**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Remove** (on the popup)

Warning Low

1. Tap **Warning Low**
2. Tap **Remove** (on the popup)

Critical Low

1. Tap **Critical Low**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Remove** (on the popup)

Hardware Alarm Status

Certain sensor's **Primary Measurements** feature programmable **Critical Thresholds** (see **Alarm Thresholds** above) called **Latched** hardware alarms. When the **Primary Measurement** exceeds or deceeds the programmed **Critical Alarm Threshold**, the alarm will become **Latched**. A **Latched** alarm can only be reset when **Connected** to the sensor. An **OK Hardware Alarm Status** means no **Latched** hardware alarms have occurred (since the **Critical Alarm Threshold(s)** have been programmed or since the **Hardware Alarm** was **Reset**.)

Reset Hardware Alarm

Critical High

1. Tap **Critical High**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Reset** (on the popup)

Critical Low

1. Tap **Critical Low**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Reset** (on the popup)

Min/Max

Minimum and **Maximum** display the highest and lowest **Measurement** values the sensor has recorded. A **Minimum** or **Maximum** value can only be displayed or **Reset** when **Connected** to the sensor. The **Minimum** and **Maximum** values will display **Unavailable** when NOT **Connected** to the sensor. The **Minimum** and **Maximum** values are stored on the sensor's hardware.

Display Minimum and Maximum Values

Method 1

1. Tap the **Ellipsis** associated with desired sensor (in the left-navigation window)
2. Tap **Connect** (on the popup)
3. Tap **Connect Sensor** (on the popup)

Method 2

1. Tap the **Ellipsis** associated with desired sensor (in the top-right of the screen)
2. Tap **Connect** (on the popup)
3. Tap **Connect** Sensor (on the popup)

Reset the Minimum and Maximum Values

Reset Maximum

1. Tap **Maximum**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently Connected
2. Tap **Reset**

Reset Minimum

1. Tap **Minimum**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Reset**

Measurement Detail

Customize

The **Measurement Name** may be changed. Some **Measurements** allow a **Custom Unit** to be defined. If a **Custom Unit** is defined, the native **Measurements** can be mapped to an alternate scale. For example, a 4–20 mA sensor can be mapped from mA to the actual sensor's unit and range. (e.g. 0–100 Celsius.) **Visual Limits** allow the user to define the **High** and **Low** values displayed within the **Trend Graph** and **Radial Gauge**.

Measurement Name

1. Tap **Name**
2. Tap the **X** icon (on the popup)
3. Enter desired **<measurement name>**
4. Tap **Save**

Custom Unit

1. Tap **Unit**
2. Tap the **X** icon (on the popup)
3. Enter desired **<custom unit>**
4. Tap **Save**

Visual Limits

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

High

1. Tap **High**
2. Tap the **X** icon (on the popup)
3. Enter desired **<visual high>**
4. Tap **Save**

Low

1. Tap **Low**
2. Tap the **X** icon (on the popup)
3. Enter desired **<visual low>**
4. Tap **Save**

Measurement Detail

Map

The ability to **Map** is specific to pressure, 4-20mA, and strain **Measurements** on Second Generation sensors. **Map** the **Source Measurement** to a custom linear scale defined by low and high values. **Range** displays the current **Map High** and **Map Low** values. Changing the **Map High** or **Map Low** will invalidate and **Delete** all **Recordings**, **Trends**, and **Alarms**.

<Source Measurement> (**Pressure, Displacement A**, or **Displacement B**)
The **Source Measurement** value is always displayed without mapping.

Range

1. Tap **Range**

<Source Measurement>
Source Measurement value

Source High – Map High

1. Tap **Source High – Map High**
2. Tap **Change Map Value** (on the popup)
    a. Above popup only appears once during **Edit Mapping** session
3. Tap the **X** icon (on the popup)
4. Enter desired **<map high>**
5. Tap **Save**

Measurement Detail

Source Low – Map Low

1. Tap **Source Low – Map Low**
2. Tap **Change Map Value** (on the popup)
    a. Above popup only appears once during **Edit Mapping** session
3. Tap the **X** icon (on the popup)
4. Enter desired **<map low>**
5. Tap **Save**

Mapped Measurement

Mapped Measurement value is the result of **Mapping** the **Source Measurement** between **Map High** and **Map Low**

Remove Mapping

1. Tap **Remove Mapping** icon bar
2. Tap **Remove Mapping** (on the popup)

Sensor

The last item in **Measurement Detail** shows the sensor's **Local Name**, connection status, and ability to easily **Connect** to, or **Disconnect** from, the sensor. The **Battery** strength and **Bluetooth Signal** strength are also viewable.

Connect to Sensor

Method 1

1. Tap sensor's **Local Name**
2. Tap **Connect Sensor** (on the popup)

Method 2

1. Tap **Connect** (on the right-side of the screen)
2. Tap **Connect Sensor** (on the popup)

Disconnect from Sensor

Method 1

1. Tap sensor's **Local Name**
2. Tap **Disconnect Sensor** (on the popup)

Method 2

1. Tap **Disconnect** (on the right-side of the screen)
2. Tap **Disconnect Sensor** (on the popup)

Delete Sensor

There are two methods for **Deleting** a sensor from the SCOUT™ Mobile sensor inventory and left-navigation window. **Deleting** a sensor will permanently **Delete** the sensor's **Measurements**, ALL historical data, and ALL **Recordings**.

Method 1

1. Swipe left on desired **Senor** (in the left-navigation window)
2. Tap **Delete**
3. Tap **Delete <local name>** (on the popup)

Method 2

1. Swipe left on desired sensor (in the left-navigation window)
2. Tap **Setup**
3. Tap **Delete** icon (at the bottom of **Sensor Setup** screen)

Tab: Dashboard

Dashboards are customized lists of sensor measurements, charts, gauges, and calculations. **Dashboards** allow easy access to the measurement detail, customized visualization, and sensor information - such as sensor name, sensor state, battery, and signal strength. Each sensor's **Measurement Visualization** displays the same visualization used in each sensor's respective **Measurement Detail**.

Dashboard Options

Add Dashboard

A dashboard can be added to the **Dashboard** tab for a quick, personalized view of desired sensors, measurements, trend charts, radial gauges, and calculations.

1. Tap the **+** icon
2. Enter desired **<dashboard name>** (on the popup)
3. Tap **Create**
4. Tap **Select Measurements**

   Note: Measurements are available from the Sensors or Calculations tabs (at the top of the screen)
5. Tap **Checkmark** icon associated with desired sensor measurement/calculation
   a. Primary and secondary measurements/calculations may be selected
   b. Multiple sensors may be selected
6. Tap **<dashboard name>**

Delete Dashboard

A dashboard can be deleted from the **Dashboard** tab.

1. Swipe left on desired **Dashboard Name** (in the left-navigation window)
2. Tap **Delete** box
3. Tap **Delete** (on the popup)

   or

1. Tap **Edit** (in the top-left of the screen)
2. Tap **Delete** icon (next to desired **Dashboard**)
3. Tap **Delete** box
4. Tap **Delete** (on the popup)

Rename Dashboard

A dashboard can be renamed after it has been created.

1. Swipe left on desired **Dashboard Name** (in the left-navigation window)
2. Tap **Rename** box
3. Tap **X** icon (on the popup)
4. Enter desired **<dashboard name>** (on the popup)
5. Tap **Rename**

Sensor Interaction

Measurement Detail

Touching a sensor's **Measurement Visualization** will show that sensor's **Measurement Detail**.

1. Tap desired sensor's **Measurement Visualization**
2. Tap **<dashboard name>** to return to **Dashboard**

Sensor Name and Connecting / Disconnecting

Touching a sensor's **Battery Strength / Signal Strength** icon will display the respective **Sensor Name** and button to **Connect** or **Disconnect**.

Sensor Name

1. Tap desired sensor's **Battery Strength / Signal Strength** icon

Connect or Disconnect

Connect

1. Tap **Connect**
2. Tap **Connect Sensor** (on the popup)

Disconnect

1. Tap **Disconnect**
2. Tap **Disconnect Sensor** (on the popup)

Tap **Sensor Symbol** to return to previous state – displaying sensor measurement

Tab: Dashboard

Select Readings

Change the **Measurements** which have been previously chosen to display in a **Dashboard**.

1. Tap **Edit** (in the top-left of the screen)
2. Tap **Select Readings**

   Note: Measurements are available from the **Sensors** or **Calculations** tabs (at the top of the screen)
3. Tap **Checkmark** icon associated with desired sensor measurement/calculation
   a. Primary and secondary measurements may be selected
   b. Multiple sensors/calculations may be selected
4. Tap **<dashboard name>**

Reorder Measurements

Change the order the **Measurements** display within the **Dashboard**.

1. Tap **Edit** (in the top-right of the screen)
2. Tap **Reorder**
3. Tap and hold the **Arrange** (three dashes) icon next to the desired sensor
4. While holding the **Arrange** icon drag the sensor to the desired position
5. Tap **Done**

Hide Visualizations

Hide the **Trend Chart** and / or the **Radial Gauge**, displaying only the sensor icon, measurement, unit, type, status, battery strength, and signal strength.

1. Tap **Edit** (in the top-left of the screen)
2. Tap **Hide Visualizations**

Show Visualizations

1. Tap **Edit** (in the top-left of the screen)
2. Tap **Show Visualizations**

Reorder Dashboards

1. Tap **Edit** (in the top-left of the screen)
2. Tap and hold the **Arrange** (three dashes) icon (next to desired sensor)
3. While holding the **Arrange** icon drag the sensor to the desired position
4. Tap **Done**

Tab: Calculate

Two types of calculations are available in SCOUT™ Mobile. A calculation is only visible on the device which it was created. A **Delta Calculation** displays the difference between two **Measurements** of the same unit. These **Measurements** may be from the same sensor, multiple sensors, or different generation sensors. A **Compensated Pressure Calculation** displays a **Pressure Measurement** which takes into account definable, static temperature variations. One **Measurement** must be pressure and the other must be temperature.

Delta Calculation

Add a Delta Calculation

1. Tap **+** icon (at top of screen)
    1. Alternatively, tap **Add** a calculation to get started (in left-navigation window)
2. Tap **Delta**

Calculation Preview

The **Delta Calculation**, its **Status**, icon, and **Calculated Measurement** are previewed at the top of the **New Calculation** screen.

Options

Calculation Name

Every **Delta Calculation** in SCOUT™ Mobile has a **Calculation Name**. The **Calculation Name** is the name for the specifically configured calculation. The **Calculation Name** is only visible on the device which it was created.

1. Tap **Name**
2. Tap the **X** icon (on the popup)
3. Enter desired **<calculation name>** (on the popup)
4. Tap **Save**

Color

Choose a color for easier identification. A checkmark identifies the currently selected color.

1. Tap **Color**
2. Tap desired **Color**

Any Measurement

Select the primary and secondary **Measurements** used for the **Delta Calculation**. The primary and secondary **Measurements** selected for the **Delta Calculation** will inherit a lighter version of the color previously selected for the sensor, respectively.

Choose Measurement

The first **Measurement** available is the primary **Measurement**. The second **Measurement** available is the secondary **Measurement**. Which **Measurement** is chosen to be primary and which is chosen to be secondary will not change the value of the **Delta Calculation**. The sign of the **Delta Calculation** will change based on which **Measurement** is selected to be primary or secondary.

Add Primary Measurement

1. Tap **Choose Measurement** (below upper **Any** Measurement)
2. Tap desired **Measurement**

Add Secondary Measurement

3. Tap **Choose Measurement**
4. Tap desired **Measurement**
    a. Available **Measurements** will have an associated gray, checkmark icon
5. Tap **Add**

Swap Inputs

It is possible to **Swap** the **Primary Measurement** and the **Secondary Measurement** when setting up a **Delta Calculation**. The **Swap Inputs** button sets the **Primary Measurement** as the **Secondary Measurement**, and vice-versa.

Compensated Pressure Calculation

Add a Compensated Pressure Calculation

1. Tap **+** icon (at top of screen)
    a. Alternatively, tap **Add** a calculation to get started (in left-navigation window)

Tab: Calculate

Calculation Preview

The **Compensated Pressure Calculation**, its **Status**, icon, and **Calculated Measurement** are previewed at the top of the **New Calculation** screen.

Options

Calculation Name

Every **Compensated Pressure Calculation** in SCOUT™ Mobile has a **Calculation Name**. The **Calculation Name** is the name for the specifically configured calculation. The **Calculation Name** is only visible on the device which it was created.

1. Tap **Name**
2. Tap the **X** icon (on the popup)
3. Enter desired **<calculation name>** (on the popup)
4. Tap **Save**

Color

Choose a color for easier identification. A checkmark identifies the currently selected color.

1. Tap **Color**
2. Tap desired **Color**

Calculation

Select the **Formula** used to calculate the desired **Compensated Pressure Calculation**.
The **Parker Accumulator Pre-charge Formula** assumes a reference temperature of 68° Fahrenheit and constant volume.

Add Pressure and Temperature Measurements

The **Primary Measurement** is the pressure **Measurement**. The **Secondary Measurement** is the temperature **Measurement**.

Pressure Measurement

1. Tap **Choose Measurement**
2. Tap desired pressure **Measurement**
    a. Available pressure **Measurements** will have an associated gray, checkmark icon

Temperature Measurement

3. Tap **Choose Measurement**
4. Tap desired temperature **Measurement**
    a. Available temperature **Measurements** will have an associated gray, checkmark icon
5. Tap **Add**

Calculation Detail

Calculations have two **Measurements**. The first **Measurement** listed is the **Primary Measurement**. Each **Measurement** has a numeric value, associated unit, and the **Measurement Name** (which is set on the SCOUT tab.) Touching the **Calculated Measurement** (in the left-navigation window) will display the respective **Calculation Detail**.

Visualizations

At the top of the screen, the current calculation icon, value, unit, name, and type are shown along with a **Visualization** (such as a **Trend Chart, Radial Gauge**, or both.) **Visualizations** can be changed using the **Ellipsis** icon. **Visualizations** can be enlarged as well.

Trend Chart

By default, the trend chart calculates an average for a given **Trend Duration** and **Sample Period**. The default **Trend Duration** is 30 minutes and default **Sample Period** is five seconds. Touch the **Gear** icon to change the **Trend**, show the minimum and maximum for each sample period, export data to a CSV, or adjust zoom settings. Multiple **Trends** may be stored in the background concurrently.

Tab: Calculate

Trend Chart Settings

1. Tap Gear icon (in the Trend Chart Legend)

Trend

1. Tap **Current Trend**
2. Tap **On / Off** icon to store desired **Trend Graph Data**. (Green denotes on, white denotes off)

Display Trend Data in Trend Chart

The **Trend** with a gray background will be displayed on the **Trend Chart**.

If desired **Trend Graph Data** is currently being stored:

1. Tap desired **Trend** to change background to gray

If desired **Trend Graph Data** is currently NOT being stored:

1. Tap **On / Off** icon to store desired **Trend Graph Data**. (Green denotes on, white denotes off)
2. Tap desired **Trend** to change background to gray

   or

1. Tap desired **Trend** (**Measurement Detail** screen automatically displays after)

Series

Display the minimum and maximum **Measurements** within the **Sample Period** on the **Trend Chart**.

1. Tap **On / Off** icon to enable. (Green denotes on, white denotes off)

Zoom and Scroll

It is possible to zoom in on the **Trend Chart** in the X direction only, Y direction only, or the X and Y directions simultaneously. After zooming in or out by **Pinching** or **Spreading** the **Trend Chart**, the user can scroll around the **Trend Chart** as well.

1. Tap **On / Off** icon next to desired **Axis** to enable. (Green denotes on, white denotes off)

Reset Graph Data

The **Trend Chart** stores the data according to the **Trend Duration**. Once the **Trench Chart** has been storing data for longer than the **Trend Duration**, the most recent data is maintained.

*For example, if the **Trend** is set to a **Trend Duration** of 30 minutes and a **Sample Period** of five seconds - 30m trend (5s) – and the **Trend Graph Data** has been stored for 120 minutes, the initial 90 minutes will be discarded and the **Trend Chart** (and **Trend Graph Data**) will display the most recent 30 minutes.*

The **Trend Graph** can also be reset and the **Trend Graph Data** be deleted. Once deleted, this data CANNOT be restored.

1. Tap **Reset Graph Data**
2. Tap **Reset** (on the popup)

Export Trend Graph Data

Exported Trend Data provides the **Sensor ID, Local Name, Measurement Name, Trend, Start Time, End Time, Timestamp** (determined by the device running SCOUT™ Mobile), maximum **Measurement**, minimum **Measurement**, and average **Measurement** values (all to one decimal place).

1. Tap the **Envelope** icon (in the top-right of the screen)
2. Tap the **Share** icon (in the top-right of the screen)
3. Tap the desired sharing method icon
4. Enter **<contact(s)>** in the **To:** field
5. Tap **Send**

Radial Gauge

The **Radial Gauge** is a **Visualization** that uses a needle and labels to show the current **Calculated Measurement** value. **Alarm Thresholds** are viewable on the **Radial Gauge**. The **Critical value** areas are denoted in red. The **Warning** value areas are denoted in yellow. The non-alarm value area is denoted in green. The **Target** value is denoted with a green triangle. The minimum and maximum **Measurement** area is denoted in pale gray. The needle displays the current **Calculated Measurement** value. **Radial Gauge** visualization adjustments may also be made (see **Visual Limits** below).

Display Trend Chart

The **Trend Chart** is displayed by default.

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Chart**

Display Radial Gauge

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Gauge**

Tab: Calculate

Display Trend Chart and Radial Gauge

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Chart and Gauge**

Enlarge Visualization

Visualizations can be enlarged using two different methods. The first method hides the left-navigation. The second displays the **Visualization** full screen.

Method 1

1. Tap the **Enlarge** icon (in the top-center of the screen)

Method 2

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Enlarge Visualization**

Shrink Visualization

Enlarged **Visualizations** can be returned to the previous view by using the following two methods.

Method 1

1. Tap **Back** (in the top-center of the screen)

Method 2

1. Tap the **Ellipsis** icon (in the top-right of the screen)
2. Tap **Shrink Visualization**

Inputs

The primary and secondary **Calculated Measurement** inputs are displayed. Each **Measurement's** icon, **Measurement Value**, associated **Unit**, **Measurement Name**, **Battery** strength, Bluetooth **Signal** strength, and sensor **Color** are displayed. It is possible to **Connect** and **Disconnect** from both sensors as well.

Connect to Sensor

1. Tap **Battery** and Bluetooth **Signal** strength (next to desired **Measurement**)
2. Tap **Connect**
3. Tap **Connect Sensor** (on the popup)
    a. Tap pulsing icon to hide **Measurement** status (next to desired **Measurement**)

Disconnect from Sensor

1. Tap **Battery** and Bluetooth **Signal strength** (next to desired **Measurement**)
2. Tap **Return** to **Broadcast**
3. Tap **Disconnect Sensor** (on the popup)
    a. Tap pulsing icon to hide **Measurement** status (next to desired **Measurement**)

Recording

Unlike **Trends**, recordings save all **Calculated Measurements** received from the sensors - one **Calculated Measurement** at a time. Both sensors must be **Connected** for a **Calculated Measurement** to be recorded. Starting a recording will automatically display a live-updating chart. Stopping a recording will also display the chart. A CSV can be exported for each recording.

Recordings are identified by the date (mm/dd/yy), time **Recording** initiated (as determined by device running SCOUT™ Mobile), duration of recording, and number of samples taken within **Recording**.

If desired, multiple **Calculated Measurements** are able to be recorded simultaneously. However, the user must start separate **Recordings** - one for each **Calculated Measurement**.

Initiate Recording

1. Tap desired **Calculated Measurement** to display **Calculation Detail** (in the left-navigation window)
2. Tap **Start** icon
3. Tap **Connect** and **Record** (on the popup)
    a. Only required if device is NOT **Connected** to both of the desired sensor **Measurements**

NOTE: A red circle will display (in the left-navigation window) when a **Recording** is active for a given **Calculated Measurement**

Terminate Recording

1. Tap desired **Calculated Measurement** which is currently recording (in the left-navigation window)
2. Tap **Stop** icon

View Recording

1. Tap desired **Calculated Measurement** to display **Calculation Detail** (in the left-navigation window)
2. Tap **View Recordings**
3. Tap desired **Recording**

Tab: Calculate

Share Recording

1. Tap desired **Calculated Measurement** to display **Calculation Detail** (in the left-navigation window)
2. Tap **View Recordings**
3. Tap desired **Recording**
4. Tap **Envelope** icon (in the top-right of the screen)
5. Tap the **Share** icon (in the top-right of the screen)
6. Tap the desired sharing method icon
7. Enter **<contact(s)>** in the **To:** field
8. Tap **Send**

Delete Recording

There are two methods to delete a recording

Method 1

1. Tap **Edit** (in the top-left of the screen)
2. Tap **Delete** icon
3. Tap **Delete** box

Method 2

1. Swipe left on desired **Dashboard Name** (in the left-navigation window)
2. Tap **Delete** box

Alarms

Status

The **Status** identifies the current condition of the **Calculated Measurement**, with respect to the **Alarms**.

Status Conditions

- Critical High
- Warning High
- OK
- Warning Low
- Critical Low

Alarm Thresholds

Alarms will generate a **Notification** in the **Notification Center** of the device running SCOUT™ Mobile when the **Calculated Measurement** exceeds a user-defined **Threshold Value**. There are four configurable **Alarm Thresholds**: **Critical High, Warning High, Warning Low**, and **Critical Low**. Additionally, there is a **Target** value which is able to be configured. **Alarms** are signaled with a **Triangular Exclamation Point** icon.

When a **Calculated Measurement** value exceeds a **Threshold Value**, an icon is visible near the **Calculated Measurement** value. If the sensor is **Connected** and the device's (running SCOUT™ Mobile) screen is turned off, a notification will be generated on the lock screen. **Critical** and **Warning Alarms** are stored on the device running SCOUT™ Mobile.

A **Warning Alarm** is signaled by a yellow **Triangular Exclamation Point** icon. A **Critical Alarm** is signaled by a red **Triangular Exclamation Point** icon. The direction of the **Triangular Exclamation Point** icon identifies if an **Alarm** is high or low. Once **Alarm Thresholds** are configured, SCOUT™ Mobile assumes that the non-critical and non-warning area is **OK**. The **OK** condition is signaled with a green, circular checkmark icon. The **Target** is displayed with a green arrow on the **Radial Gauge** and a dark green area on the **Trend Chart**. The **None** condition identifies that no **Alarm Thresholds** have been set.

Set Alarms

Critical High

1. Tap **Critical High**
2. Enter desired **<critical high alarm threshold>** (on the popup)
3. Tap **Save**

Warning High

1. Tap **Warning High**
2. Enter desired **<warning high alarm threshold>** (on the popup)
3. Tap **Save**

Target

1. Tap **Target**
2. Enter desired **<target>** (on the popup)
3. Tap **Save**

Tab: Calculate

Automatically Configure Alarm Thresholds

1. Tap **Configure** (on the popup)
    a. Tap **Skip** to bypass this step
2. If **Warning Alarm Thresholds** were previously set
    a. Tap the **X** icon (on the popup)
3. Enter desired **<warning +/- alarm threshold percentage>**
4. Tap **Set Offsets**
5. If **Critical Alarm Thresholds** were previously set
    a. Tap the **X** icon (on the popup)
6. Enter desired **<critical +/- alarm threshold percentage>**
7. Tap **Set Offsets**

If the automatically configured **Critical Alarm Threshold Values** are not contained within the proper value window, a popup will appear to notify of the error. There are two options. The first is to change the **Warning Threshold Values** which were set on the previous popup. The second is to change the **Critical Threshold Values** that were set at a previous point in time.

Modify the Warning Alarm Thresholds

1. Tap **Return to Edit** (on the popup)

Modify the Critical Alarm Thresholds

1. Tap **Reset Thresholds** and **Apply** (on the popup)
2. Enter desired **<critical +/- alarm threshold percentage>**
3. Tap **Set Offsets**

Warning Low

1. Tap **Warning Low**
2. Enter desired **<warning low alarm threshold>** (on the popup)
3. Tap **Save**

Critical Low

1. Tap **Critical Low**
2. Enter desired **<critical low alarm threshold>** (on the popup)
3. Tap **Save**

Tab: Calculate

Edit Alarms

Critical High

1. Tap **Critical High**
2. Tap the **X** icon (on the popup)
3. Enter desired **<critical high alarm threshold>**
4. Tap **Save**

Warning High

1. Tap **Warning High**
2. Tap the **X** icon (on the popup)
3. Enter desired **<warning high alarm threshold>**
4. Tap **Save**

Target

1. Tap **Target**
2. Tap the **X** icon (on the popup)
3. Enter desired **<target threshold>**
4. Tap **Save**

Warning Low

1. Tap **Warning Low**
2. Tap the **X** icon (on the popup)
3. Enter desired **<warning low alarm threshold>**
4. Tap **Save**

Critical Low

1. Tap **Critical Low**
2. Tap the **X** icon (on the popup)
3. Enter desired **<critical low alarm threshold>**
4. Tap **Save**

Delete Alarms

Critical High

1. Tap **Critical High**
2. Tap **Remove** (on the popup)

Warning High

1. Tap **Warning High**
2. Tap **Remove** (on the popup)

Tab: Calculate

Target

1. Tap **Target**
2. Tap **Remove** (on the popup)

Warning Low

1. Tap **Warning Low**
2. Tap **Remove** (on the popup)

Critical Low

1. Tap **Critical Low**
   a. Tap **Connect** (on the popup), if the sensor is NOT currently **Connected**
2. Tap **Remove** (on the popup)

Min/Max

Minimum and **Maximum** display the highest and lowest **Calculated Measurement** values the sensors have recorded. A **Minimum** or **Maximum** value can be **Reset**. The **Minimum** and **Maximum** values are stored on the device running SCOUT™ Mobile.

Reset the Minimum and Maximum Values

Reset Maximum

1. Tap **Maximum**
2. Tap **Reset**

Reset Minimum

1. Tap **Minimum**
2. Tap **Reset**
3. Enter desired **<visual low>**
4. Tap **Save**

Customize

The **Custom Reading Name** may be changed. **Visual Limits** allow the user to define the **High** and **Low** values displayed within the **Trend Graph** and **Radial Gauge**.

Calculated Measurement Name

1. Tap **Name**
2. Tap the **X** icon (on the popup)
3. Enter desired **<calculated measurement name>**
4. Tap **Save**

Visual Limits

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

High

1. Tap **High**
2. Tap the **X** icon (on the popup)
3. Enter desired **<visual high>**
4. Tap **Save**

Low

1. Tap **Low**
2. Tap the **X** icon (on the popup)
3. Enter desired **<visual low>**
4. Tap **Save**

Calculation

The last item in **Calculation Detail** shows the **Custom Reading Name** and connection status.

Delete Calculation

There are three methods for **Deleting** a **Calculated Measurement** from the SCOUT™ Mobile **Calculations** inventory and left-navigation window. Deleting a **Calculated Measurement** will permanently **Delete** the **Calculated Measurements**, ALL historical data, and ALL **Recordings**.

Method 1

1. Swipe left on desired **Calculated Measurement** (in the left-navigation window)
2. Tap **Delete**
3. Tap **Delete <local name>** (on the popup)

Method 2

1. Swipe left on desired **Calculated Measurement** (in the left-navigation window)
2. Tap **Setup**
3. Tap **Delete** icon (at the bottom of **Calculation Setup** screen)

Method 3

1. Tap the **Ellipsis** icon next to the desired **Calculated Measurement** (in the left-navigation window)
2. Tap **Delete** (on the popup)
3. Tap **Delete <local name>** (on the popup)

Tab: Settings

These options change the behavior of SCOUT™ Mobile. Unless otherwise stated, changes are automatically saved.

Measurements

Unit System

Measurements can be displayed in Imperial or **Metric** units.

1. Tap **Unit System** to toggle between **Imperial** and **Metric**

Enable All by Default

Some sensors have more than one kind of measurement. By default, new sensors only have their primary measurement enabled. Enabling this setting will enable all measurements by default. Enabled, secondary measurements can be individually disabled within the associated **Sensor Setup**.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Sensors

Setup and Order

Displays a list of sensors to setup, reorder, or delete

Setup Sensor

1. Tap **Setup** and **Order**
2. Tap desired sensor
3. See **Sensor Setup** section above

Reorder Sensors

1. Tap **Setup** and **Order**
2. Tap **Edit**
3. Tap and hold the **Arrange** (three dashes) icon (next to desired sensor)
4. While holding the **Arrange** icon drag the sensor to the desired position
5. Tap **Done**

Delete Sensor

1. Tap **Setup** and **Order**
2. Tap **Edit**
3. Tap the **Delete** icon (next to desired sensor)
4. Tap the red **Delete** box (to the right)
5. Tap **Delete <sensor name>** (on the popup)
6. Tap **Done**

Confirm Connections

SCOUT™ Mobile will confirm all connect and disconnect actions with a prompt. Disabling this setting will remove these prompts.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Microphone and Gyroscope

SCOUT™ Mobile allows the mobile device's microphone and gyroscope to be used as sensors. Enabling this setting will show these sensors in the **Available Sensors** screen.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Show Intervals

When **Show Intervals** is enabled, the user has the ability to modify the **Broadcast Interval** and **Measurement Interval** within the **Sensor Setup** screen. This option is only available for compatible sensors.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Calculations

Displays a list of calculations to setup, reorder, or delete.

Setup Calculations

1. Tap **Setup** and **Order**
2. Tap desired calculation
3. See **Calculation Setup** section above

Reorder Calculations

1. Tap **Setup** and **Order**
2. Tap **Edit**
3. Tap and hold the **Arrange** (three dashes) icon (next to desired sensor)
4. While holding the **Arrange** icon drag the sensor to the desired position
5. Tap **Done**

Delete Calculations

1. Tap **Setup** and **Order**
2. Tap **Edit**
3. Tap the **Delete** icon (next to desired sensor)
4. Tap the red **Delete** box (to the right)
5. Tap **Delete <sensor name>** (on the popup)
6. Tap **Done**

Tab: Settings

Diagnostics

View and Export Report

Detailed Logging must be turned on to initiate **View** and **Export Report** (See **Detailed Logging** for instructions). Note: Time stamp is given in Greenwich Mean Time (GMT).

View Report

1. Tap **View** and **Export Report**
2. Tap **Done**

Export Report

1. Tap **View** and **Export Report**
2. Tap **Share** icon
3. Tap desired **Sharing Method** icon
4. Enter **<contact(s)>** in the **To:** field
5. Tap **Send**

Detailed Logging

Saves a log of SCOUT™ Mobile operations and actions. Not recommended unless directed by support.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Other

Enable Notifications

Send alarm notifications when the screen is locked or SCOUT™ Mobile is running in the background. Sensors must be **Connected** for notifications to be reliably generated when the screen is locked or powered-off.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Keep Device Awake

Prevents the mobile device from automatically dimming the screen and locking. Enabling this option will impact battery life. Consider using an external power source for prolonged use.

1. Tap **On / Off** icon to select desired mode. (Green denotes on, white denotes off)

Data Tools

View how much storage space is used by SCOUT™ Mobile. **Saved Data Size** primarily details measurement data captured by the device. **Other Files** refers to system files.

1. Tap **Data Tools**

Version

Displayed next to **Version** is the currently installed version of SCOUT™ Mobile on the device. The build number is displayed within parentheses. Please identify this number when contacting customer support.

Third-Party Licenses

View the details of all third-party licenses used by SCOUT™ Mobile.

1. Tap **Third-Party Licenses**
2. Tap desired **Third-Party License** to link to more information

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