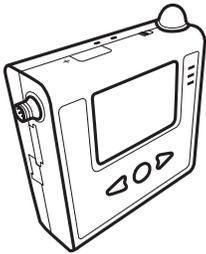


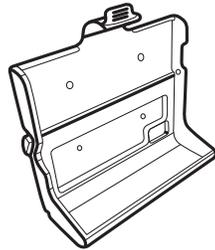
1

Unpack Box Find the following items enclosed in your order

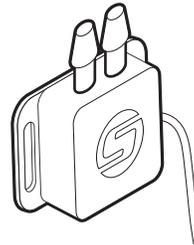
To proceed with installation, you will need **1/2" - 1" Drill** and a **Phillips Head Screwdriver or Drill Bit**



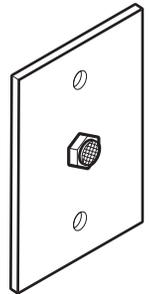
OTA Node



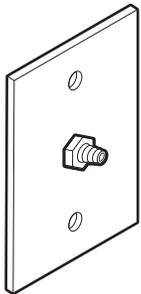
Node Holster



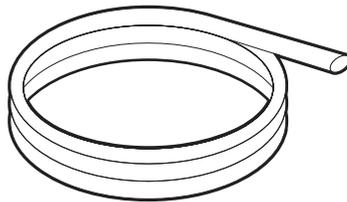
Differential Pressure Probe



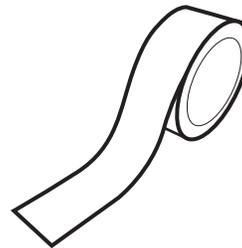
Mesh Wall Mount



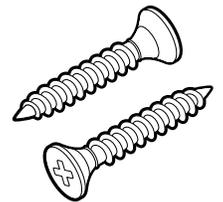
Nozzle Wall Mount



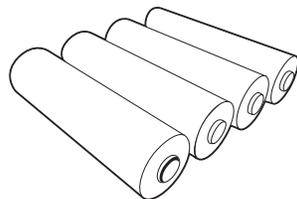
Tubing



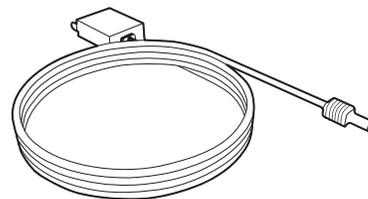
Mounting Tape



Screws



Batteries



AC Power Cord (Optional)

Connect Node to Wi-Fi

Follow steps 2.1 through 2.5 for a successful connection

Opted for pre-configuration?

Insert four 1.5V batteries into the back of the OTA Node to turn on the device.



Verify that the Wi-Fi, Internet, and Cloud symbols do not have a cross through them. Your Node is now connected to the network!



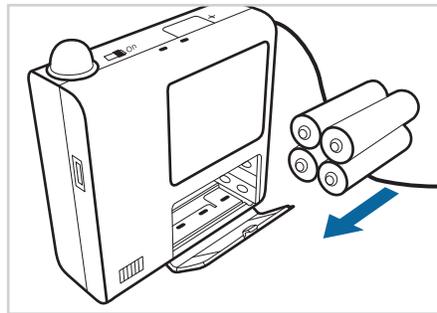
If there are crosses, your Node is not connected to Wi-Fi. Please follow Steps 2.1 through 2.5 to manually connect the device to Wi-Fi or contact our technical support team for troubleshooting solutions: (800) 279-3101, Option 4

Once the Node connects to Wi-Fi, skip to Step 3 "Install Device to Storage Unit".



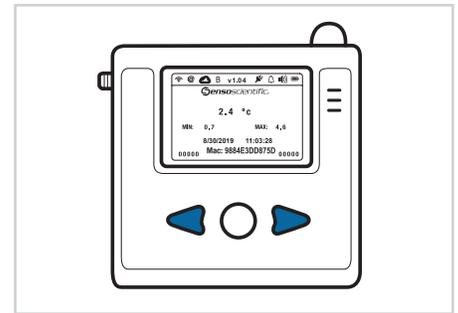
2.1 Download Sensoscientific's Mobile App

From your phone's app store, **search and download** the Sensoscientific app onto your mobile device.



2.2 Attach Probe and Turn On

Attach the probe to the node by lining the probe connector's 4 holes with the 4 pins in the M8 connector. Twist the metal fastener until secure. **Insert four 1.5V batteries** into the back of the OTA Node. **Turn the switch** to the ON position.



2.3 Set the Node to Provisioning Mode

Once the Node alerts that it was not able to connect to the Cloud, **press the right and left arrows** at the same time until the display screen reads, "Device is in provisioning mode!"



2.4 Connect Mobile Device to OTA Node Wi-Fi

From your phone's Wi-Fi settings, connect to: **mysimplelink-xxxxxx** network. The ending numbers will match the last 6 characters of the Node's Mac Address found on the display screen.

Sensoscientific.

Name

Password

Log In

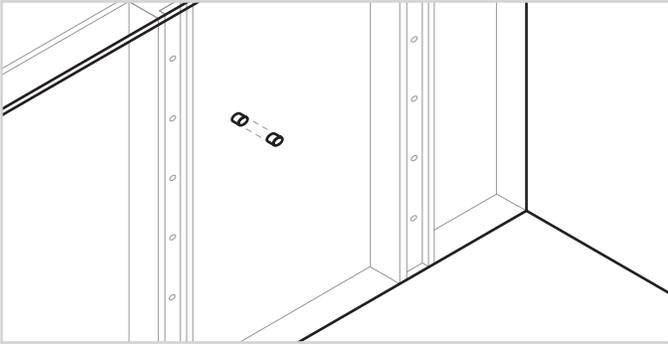
[Wi-Fi Setup](#)

2.5 Connect OTA Node to Facility Wi-Fi

From the Sensoscientific app's login page, select the **"Wi-Fi Setup"** link. **Select the Wi-Fi network** you want the Node to use. If your network is hidden, select "Other" from the list of SSIDs. Enter your credentials and **click "Join"**. Keep in mind that OTA Nodes require case-sensitive passwords.

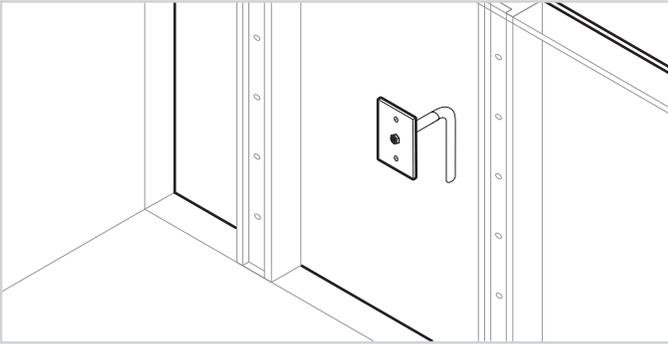
Install Device to Storage Unit

Follow steps 3.1 through 3.6 for the correct installation procedure



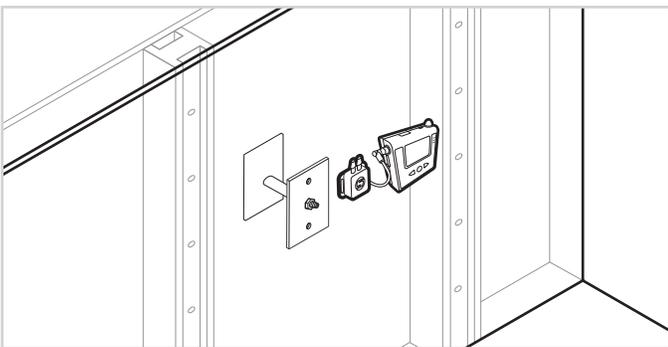
3.1 Determine Location & Drill Hole

Determine the desired location for pressure sensor and tubing. **Consult your facility manager** for optimal location. **Consider** necessary pressure measurement, nearby AC Power plugs, local regulation in installation procedure, and interfering pipes/insulation/electrical wiring. **Drill a 1/2" - 1" hole** through both sides of the determined location.



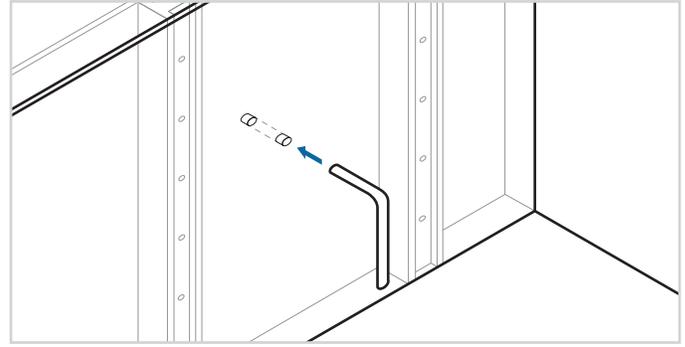
3.3 Attach Mesh Wall Mount to Tubing & Secure to Wall

Move location to the opposing wall. **Attach the Tubing** to the Mesh Wall Mount's interior nozzle. **Secure the Mesh Wall Mount** to the wall using Screws.



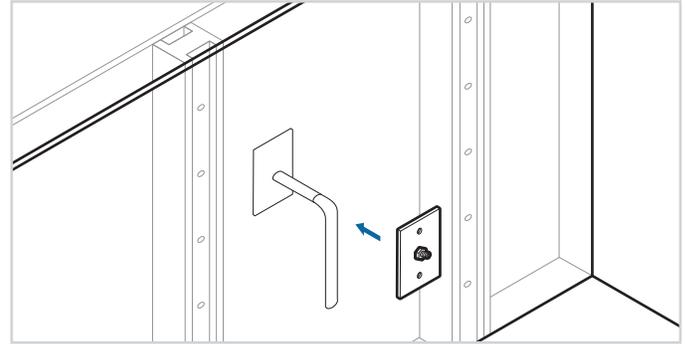
3.5 Secure Node & Probe to Wall

Using Screw or Mounting Tape, **secure the Node Holder** to the wall. **Place the Node into the Node Holder** until it snaps into place. Using Screws or Strong Mounting Tape, **secure the Differential Pressure Probe** to the wall.



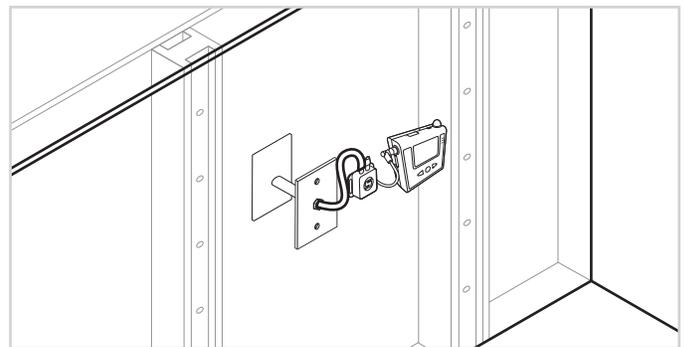
3.2 Thread Tubing through Both Sides of the Wall

Thread the Tubing from one side of the wall to the other. **Ensure the Tubing does not pinch or bend** in a way that obstructs airflow pressure measurement.



3.4 Attach Nozzle Wall Mount to Tubing & Secure to Wall

Cut the Tubing 1" - 2" from the wall. **Attach the Tubing** to the Nozzle Wall Mount's interior nozzle. **Ensure the Tubing does not pinch or bend** in a way that obstructs airflow pressure measurement. **Secure the Nozzle Wall Mount** to the wall using Screws.



3.6 Attach Nozzle Wall Mount to Probe Using Tubing

Attach the Differential Pressure Probe to the Nozzle Wall Mount by cutting Tubing to the appropriate size and securing to the probe's positive or negative input.

First log in to your account: cloud.sensoscientific.com

The screenshot shows the Sensoscientific web interface. At the top, the logo and navigation menu are visible. The main menu includes 'ALARM | MONITORING | REPORT | CONFIGURATION | CALIBRATION | HELP'. The 'CONFIGURATION' tab is selected (A). Below it, a sub-menu is open, showing 'Company', 'Nodes', 'User', 'Group', 'Settings', 'Configure', and 'Notification'. The 'Settings' tab is selected (B). The 'Configure' sub-tab is active (C). The main content area displays various settings for notifications and security. The 'Global Alarm Generation' and 'Global Signal Alarm Generation' are set to 'On'. The 'Global Alarm Notification' and 'Global Signal Alarm Notification' are also set to 'On'. The 'Global Signal Re-Alarm Notification' and 'Global Battery Re-Alarm Notification' are set to 'On'. The 'Admin Audit Report' is set to 'On'. Below these, there is a section for 'All Types' with a dropdown menu and a description: 'Select the type of notification that System Admin receives for selected nodes.' Underneath, there are four sections: 'Signal Alarm', 'Battery Alarm', 'Calibration Alarms', and 'Suspend Node'. Each section has three checkboxes: 'Guest', 'User', and 'Group Admin'. In the 'Signal Alarm' section, 'Group Admin' is checked. In the 'Battery Alarm' section, 'Group Admin' is checked. In the 'Calibration Alarms' section, 'User' and 'Group Admin' are checked. In the 'Suspend Node' section, 'User' and 'Group Admin' are checked. Below these sections, there are three more settings: 'Enable Password Rules (At least one special character, one upper, one lower, one numerical digit Applicable for system admin, group admin, user, guest)', 'Force a New User to Reset Password During First Login (Applicable for system admin, group admin, user, guest)', and '6 Months' for 'Password Validity Duration (Applicable for system admin, group admin, user, guest)'. At the bottom, there are four checkboxes: 'Phone Notification', 'SMS Notification', 'Email Notification', and 'Fax Notification', all of which are checked. A 'Save' button is located at the bottom right (D).

4.1 Establish the Global Account Settings

- A Select the **“CONFIGURATION”** tab in the main menu.
- B Select the **“Settings”** tab in the submenu.
- C The submenu will reveal new options.
Select the **“Configure”** tab.
- D Establish the desired settings and click the **“Save”** button at the bottom of the page.

The screenshot displays the Sensoscientific web application interface. At the top, the main menu includes 'ALARM | MONITORING | REPORT | CONFIGURATION | CALIBRATION | HELP', with 'CONFIGURATION' highlighted (A). Below this, a sub-menu is visible with 'Nodes' selected (B). The 'Nodes' sub-menu is expanded to show 'Configure' (C), 'Replace RMA Nodes', 'Activated Spare', 'Node User', 'User', 'Group', 'Settings', and 'Notification'. The 'Configure' page is titled 'Node Configuration' and contains the following fields and options:

- Node ID (text input)
- Node MAC Address (text input)
- Firmware Version (Only Applicable for OTA version node) (text input)
- No Update (dropdown) | OTA Upgrade Firmware Version (Only applicable for OTA version node) (text input)
- Reset Node Min/Max values (Only applicable for OTA version node)
- Node Name (Please use letters and numbers only. Max 50 characters) (text input)
- (UTA-08:00) Pacific Time (US &) (dropdown) | Node Time Zone (dropdown)
- Location Name (Please use letters and numbers only. Max 50 characters) (text input)
- Set Primary Alarm Limit (checkbox)
 - Maximum Alarm Limit (Use only numbers) (text input)
 - Minimum Alarm Limit (Use only numbers) (text input)
 - Alarm Delay in Minutes (Use only numbers) (text input)
- Set Critical Alarm Limit (checkbox checked)
 - Maximum Alarm Limit (Use only numbers) (text input)
 - Minimum Alarm Limit (Use only numbers) (text input)
 - Alarm Delay in Minutes (Use only numbers) (text input)
- Re-Alarm Delay in Minute (Use only numbers) max 2 re-alarms (text input)
- Speaker On/Off (Audible Alarm) (Only applicable for OTA version node) (dropdown: On)
- Set Data Alarm Function (On/Off) (dropdown: On)
- Set Signal Alarm Function (On/Off) (dropdown: On)
- Set Battery Alarm Function (On/Off) (dropdown: On)
- Set Email Notification (On/Off) (dropdown: On)
- Set SMS Notification (On/Off) (dropdown: On)
- Set Re-Alarm Notification (On/Off) (dropdown: On)
- Set Voice Notification (On/Off) (dropdown: On)
- Set Fax Notification (On/Off) (dropdown: On)
- Audit Node (On/Off) (dropdown: On)
- Measurement Unit (dropdown: °F)
- Save (button)

4.2 Configure Node's Operation Settings

- A Select the **"CONFIGURATION"** tab in the main menu.
- B Select the **"Nodes"** tab in the submenu.
- C The submenu will reveal new options.
Select the **"Configure"** tab.
- D Click the **"Configure"** button of the desired node. *(Not Displayed)*
- E Establish the desired settings and click the **"Save"** button at the bottom of the page.

NOTE: Refer to section "IV.2 Node Configuration" of the **Cloud Manual** for more information on field meanings.
HELP > User Guide/Installation Docs > **Cloud User Manual.pdf**

Sensoscientific.

ALARM | MONITORING | REPORT | **CONFIGURATION** | CALIBRATION | HELP

Company
Nodes
User
New User
Configure
Add/Remove Node
Change Password
Group
Settings
Notification

Create a New User

Valid Username (Should be Email Address) Min 6 and max 50 characters
 First Name (Min 2 and max 15 characters)
 Last Name (Min 2 and max 15 characters)
 Valid User Password (Min 6 max 16 characters)
 Retype Password (Min 2 and max 15 characters)

On ▼ Signal, data, battery Alarm Email Notification On/Off
 On ▼ Alarm Confirmation Email Notification On/Off
 On ▼ Calibration Due Date Notification On/Off
 Valid Notification Email Address (Max 200 characters)

On ▼ Automatic Daily Report On/Off
 On ▼ Automatic Daily Hourly Report (On/Off)
 On ▼ Automatic Daily Exception (On/Off)
 On ▼ Automatic Weekly Report (On/Off)
 On ▼ Automatic Monthly Report (On/Off)
 On ▼ Automatic Summary Report (On/Off)
 On ▼ Automatic Two Point Monitoring (On/Off)
 Valid Report Email Address (Max 200 characters)

On ▼ SMS Notification On/Off
 Valid Notification SMS Number (SMS Notification must be On.)
 On ▼ Voice Notification On/Off
 Valid Notification Phone Number (Voice Notification must be On.)
 On ▼ Fax Notification On/Off
 Valid Notification Fax Number (Fax numbers work only in U.S.)

User ▼ Select user level type
 no auto refresh ▼ Set Auto Refresh on Current Status
 Instantly ▼ Select to receive notifications instantly or by escalation
 Escalation time before notifications are sent (in minutes, max 4 digits)

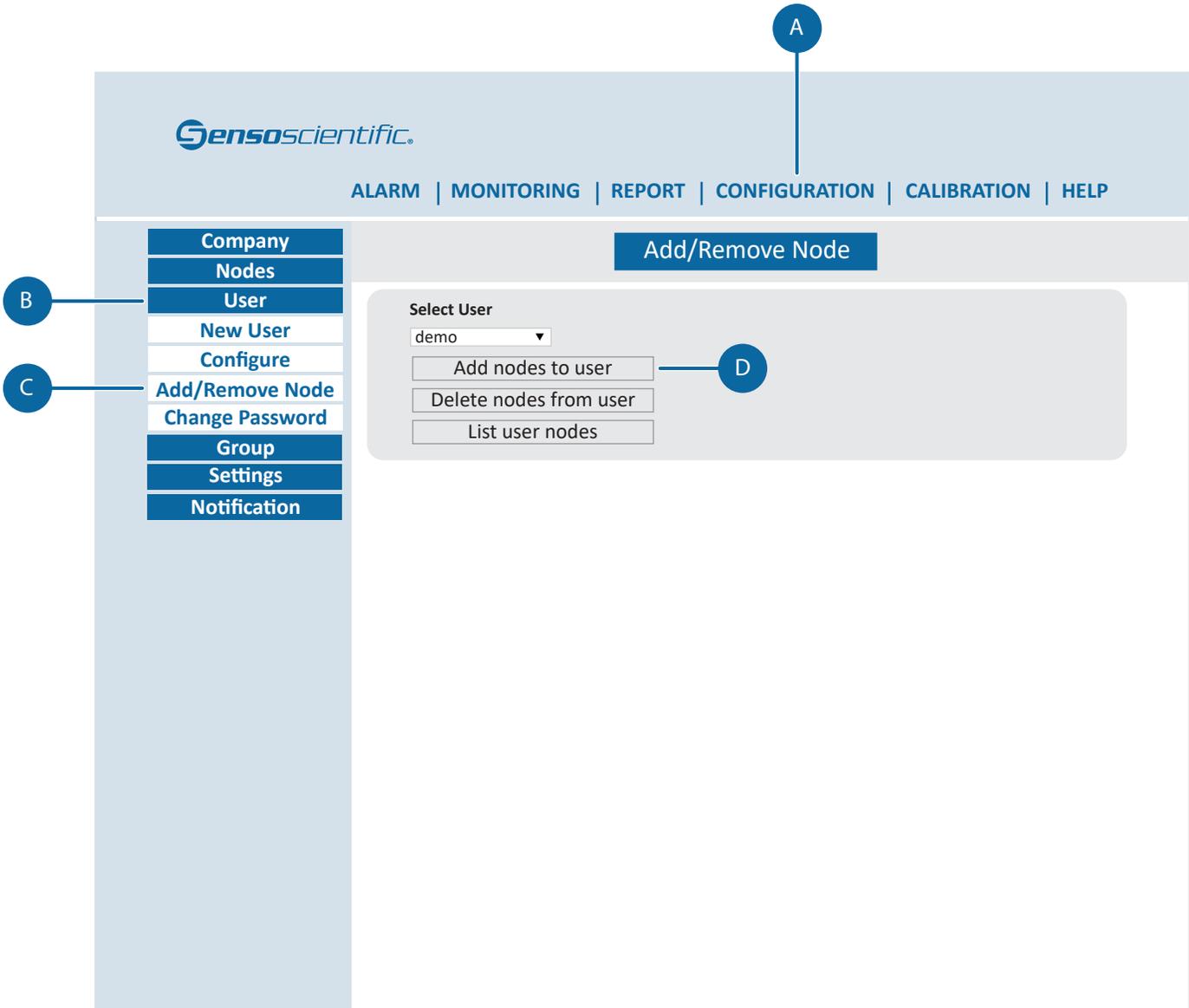
Standard Time ▼ Select Time Format
 Instantly ▼ Select Report Time Zone

Add New User

4.3 Create New User's Personal Profile

- A** Select the **"CONFIGURATION"** tab in the main menu.
- B** Select the **"User"** tab in the sub menu.
- C** The submenu will reveal new options.
Select the **"New User"** tab.
- D** Establish the desired settings and click the **"Add New User"** button at the bottom of the page.

NOTE: Refer to section "IV.3 Create/Delete User Accounts" of the **Cloud Manual** for more information on field meanings.
 HELP > User Guide/Installation Docs > **Cloud User Manual.pdf**



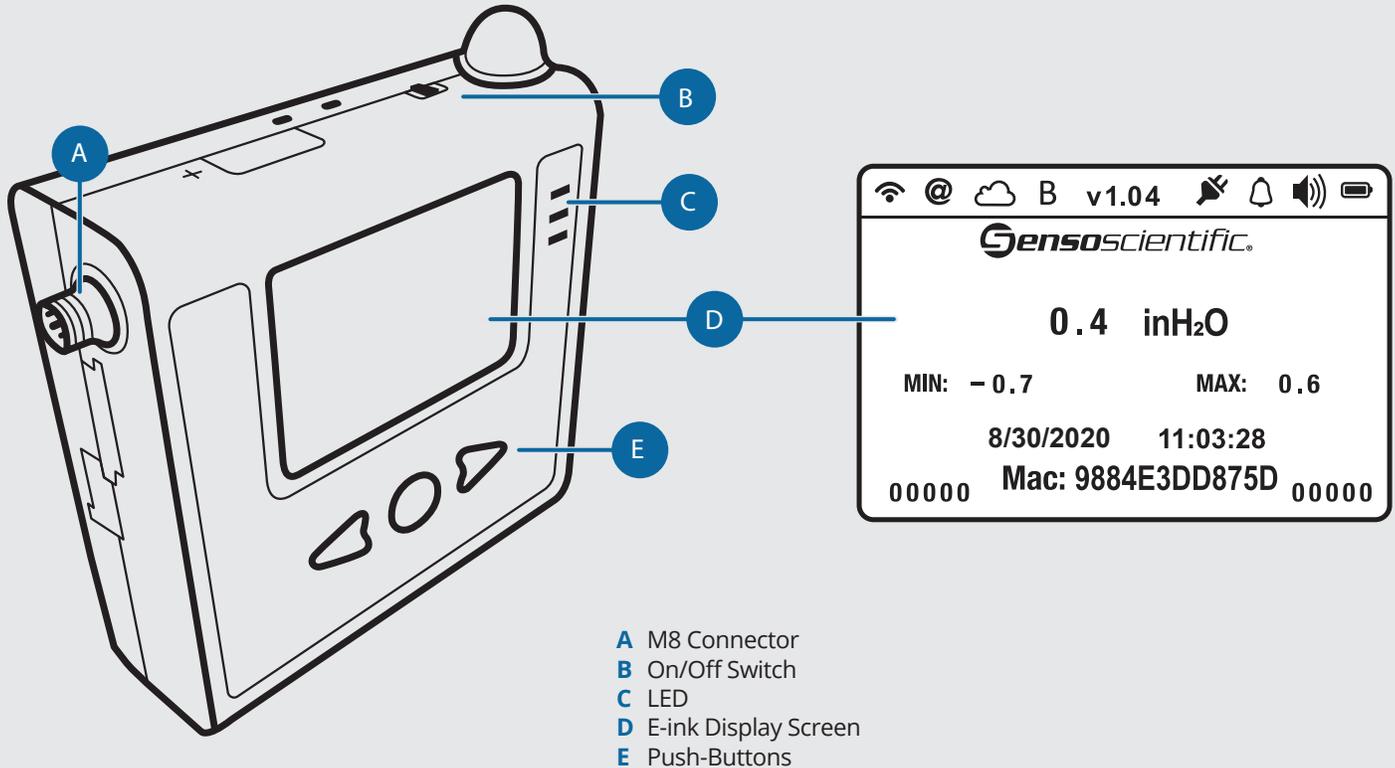
4.4 Assign Nodes to Users

- A Select the **"CONFIGURATION" tab** in the main menu.
- B Select the **"User" tab** in the submenu.
- C The submenu will reveal new options. Select the **"Add/Remove Node" tab**.
- D Select the user you want to assign nodes and click the **"Add node to user" button**.
- E Mark the checkbox in the rightmost column of the desired Nodes. Click the **"Add Node" button** to assign the selected Node(s) to the user. *(Not Displayed)*

NOTE: Nodes must be assigned to users for them to display the **"MONITORING" tab**.

About This Node

An anatomical guide for understanding your device



- A M8 Connector
- B On/Off Switch
- C LED
- D E-ink Display Screen
- E Push-Buttons

 **Wi-Fi:** device is connected to a Wi-Fi Access point

 **Internet:** device is connected to the internet

 **Cloud:** device is connected to the cloud

B Buffering: appears when the node is storing buffered data up to 4000 readings

v1.03 Firmware Version: identifies which version of firmware the device is using

 **Power Supply:** appears when the device is connected to power via Micro USB

 **Alarm:** signifies whether the node is currently alarmed

 **Speaker:** identifies whether the node's audible alarm is ON or OFF

 **Battery:** displayed at High, Medium, Low, and Empty

MIN Minimum: shows the lowest reading on the device

MAX Maximum: shows the highest reading on the device

Mac MAC Address: used to uniquely identify the device