

HANDHELD MONITOR

INSTRUCTION MANUAL

know what you breathe

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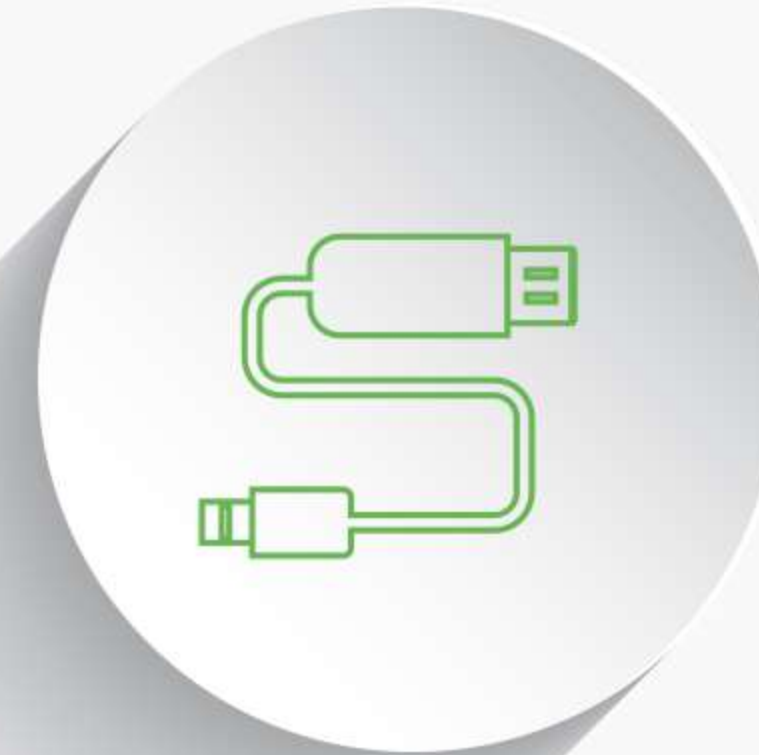
WHAT'S INSIDE
THE BOX



Handheld Monitor



5V Adapter



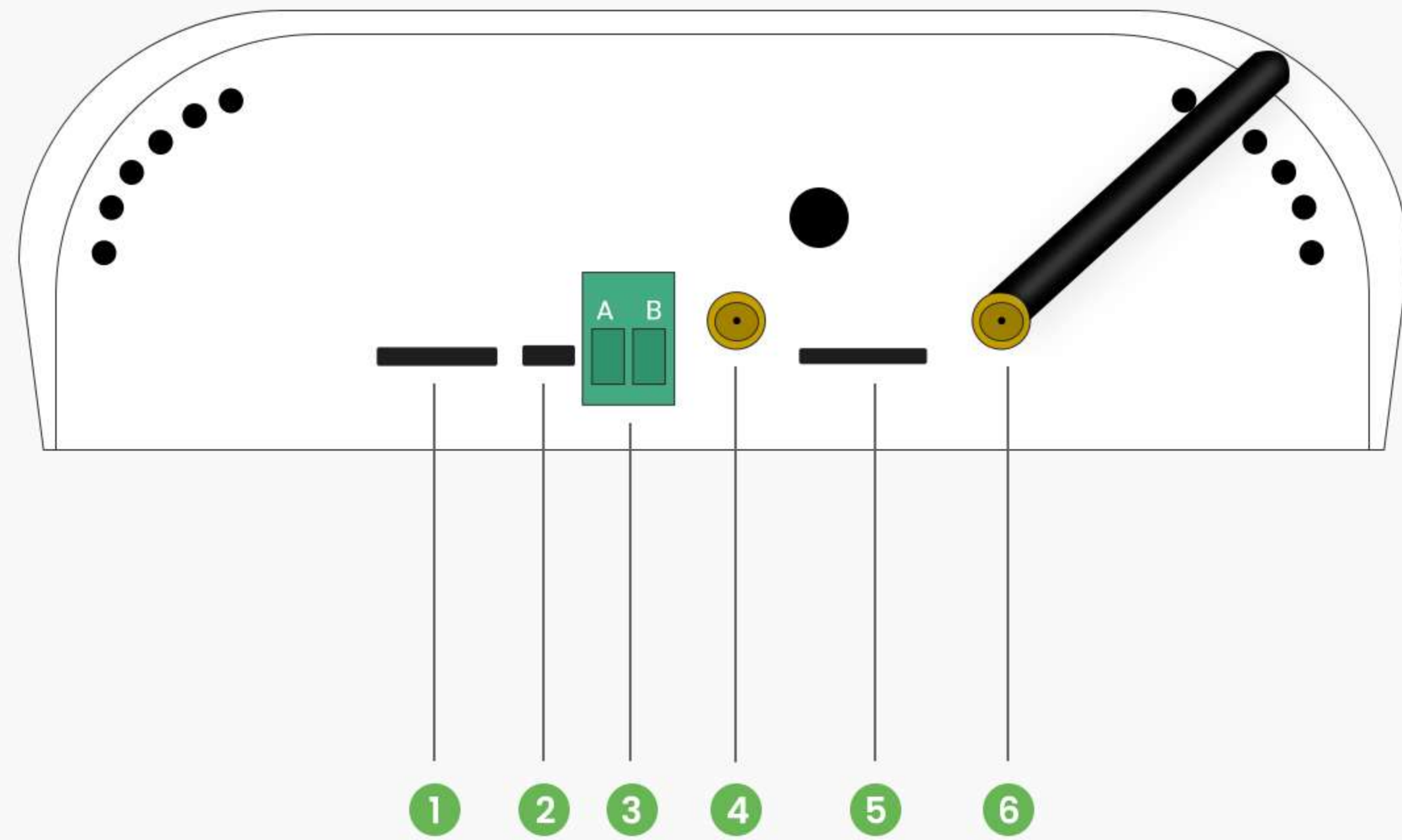
Micro USB Cable

Getting Started : Know your Handheld Monitor

General information about the product that explains the basic functionalities of the device.

01

Bottom View



Top View



1. Micro SD Card Slot

2. USB Power Supply

3. RS-485 Slot

4. GPS Antenna Slot

5. Micro SIM Card Slot

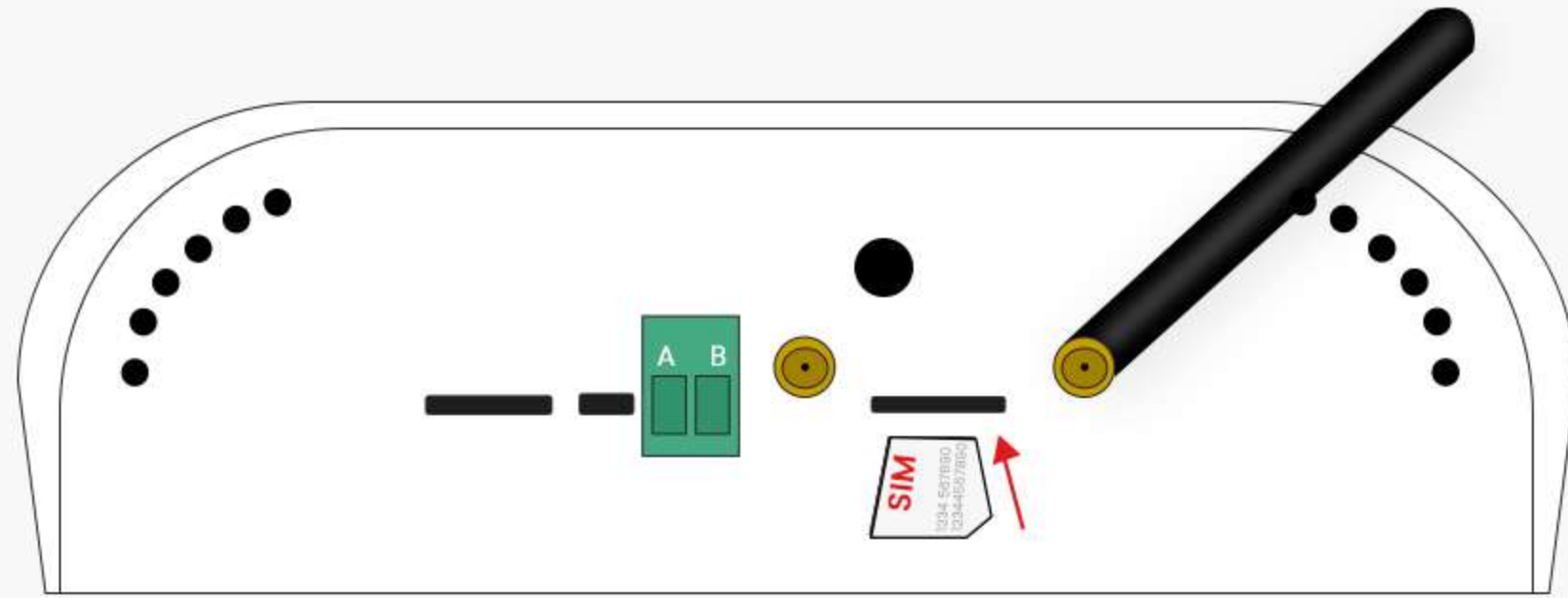
6. GSM Antenna Slot

7. Fan

GSM Connectivity

GSM connectivity enables remote monitoring and data transmission, providing real-time updates on air quality levels and alerts, even in areas without Wi-Fi access.

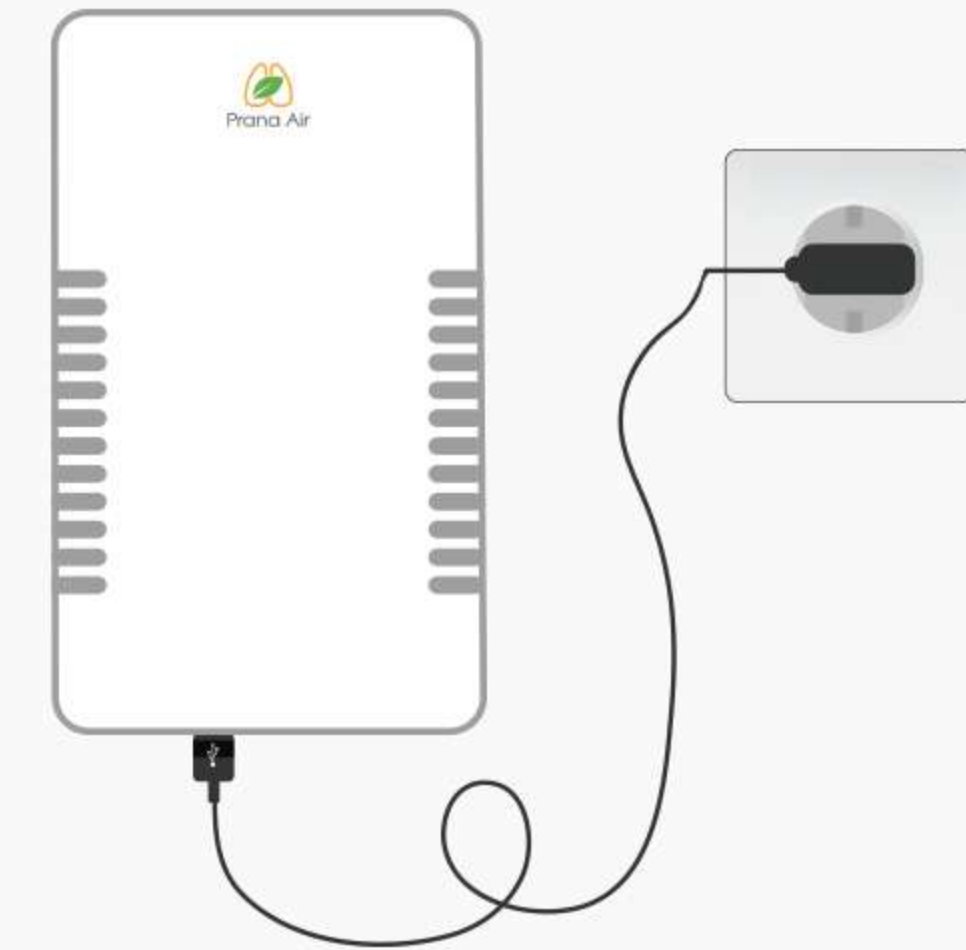
- 1** Insert the Micro SIM card in the slot (according to the direction given below).



NOTE :

This device supports Airtel or Vodafone SIM cards.

- 2** **Option 1 :** Turn on the monitor by connecting it to the USB cable and the adapter and plugging it into a power source.



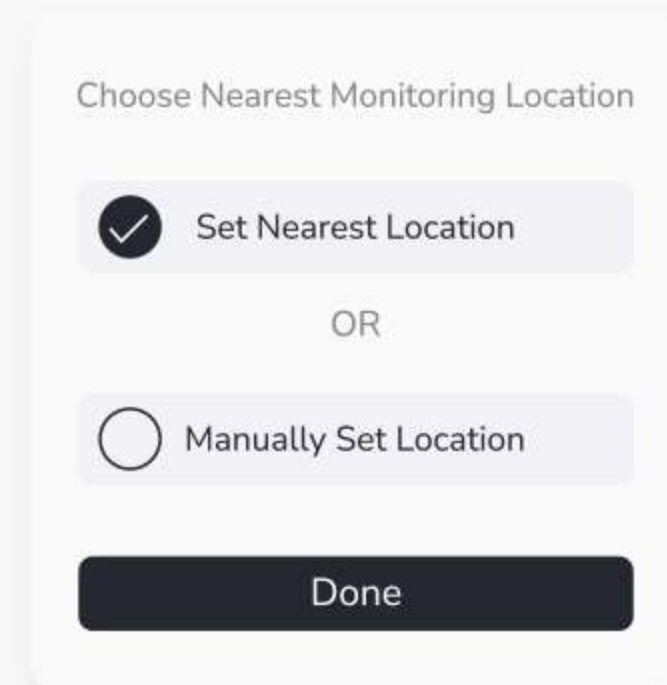
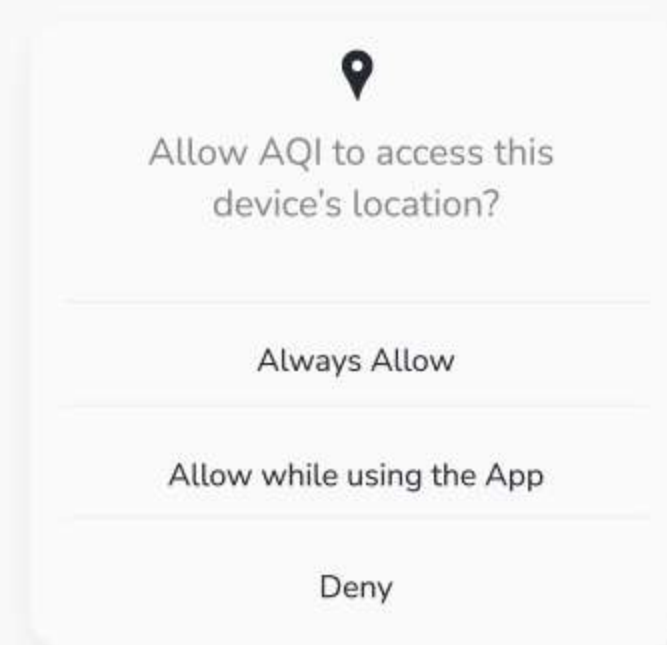
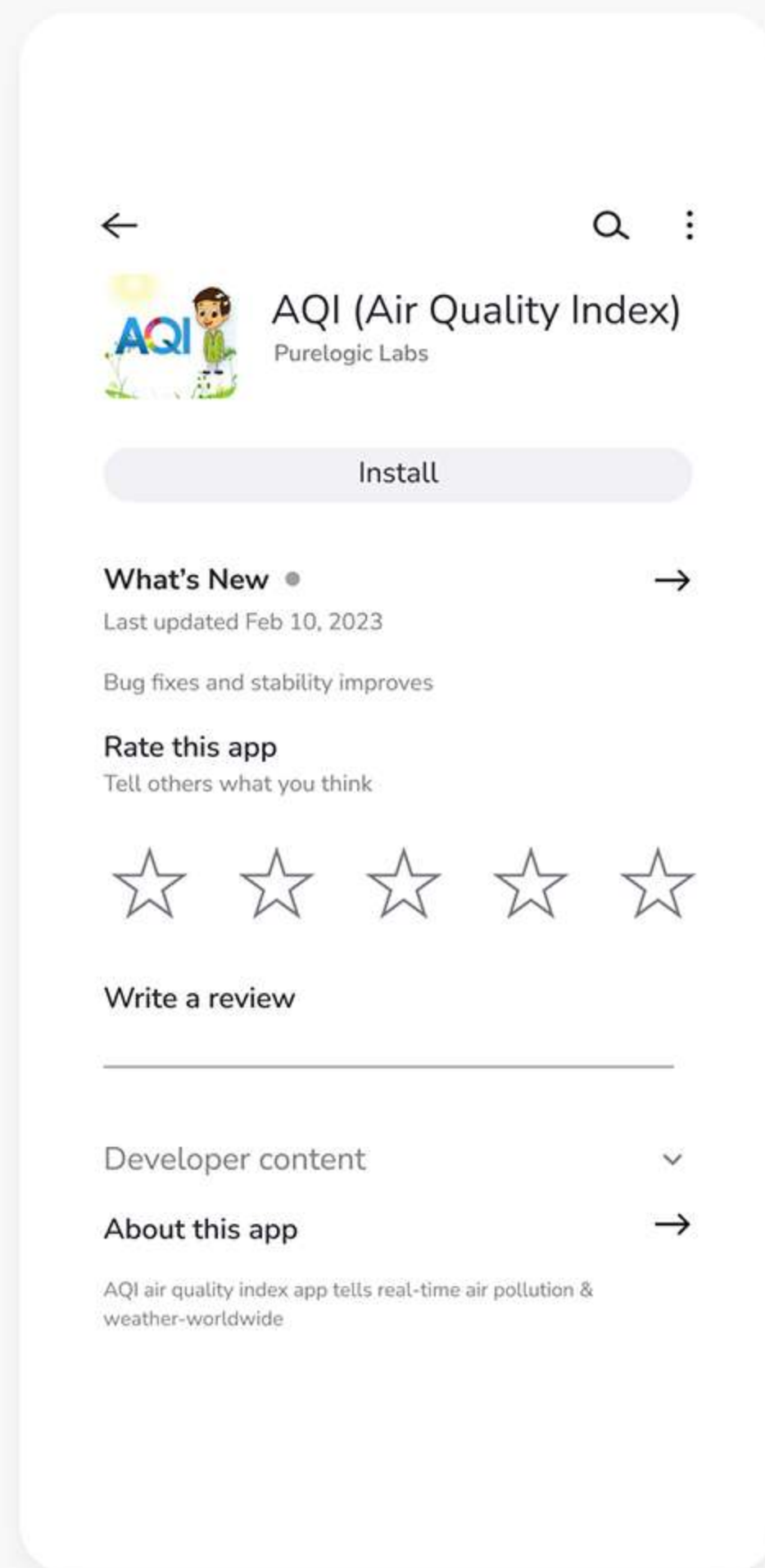
- Option 2 :** The user can also plug the monitor into a power bank, which allows them to carry the monitor with them.



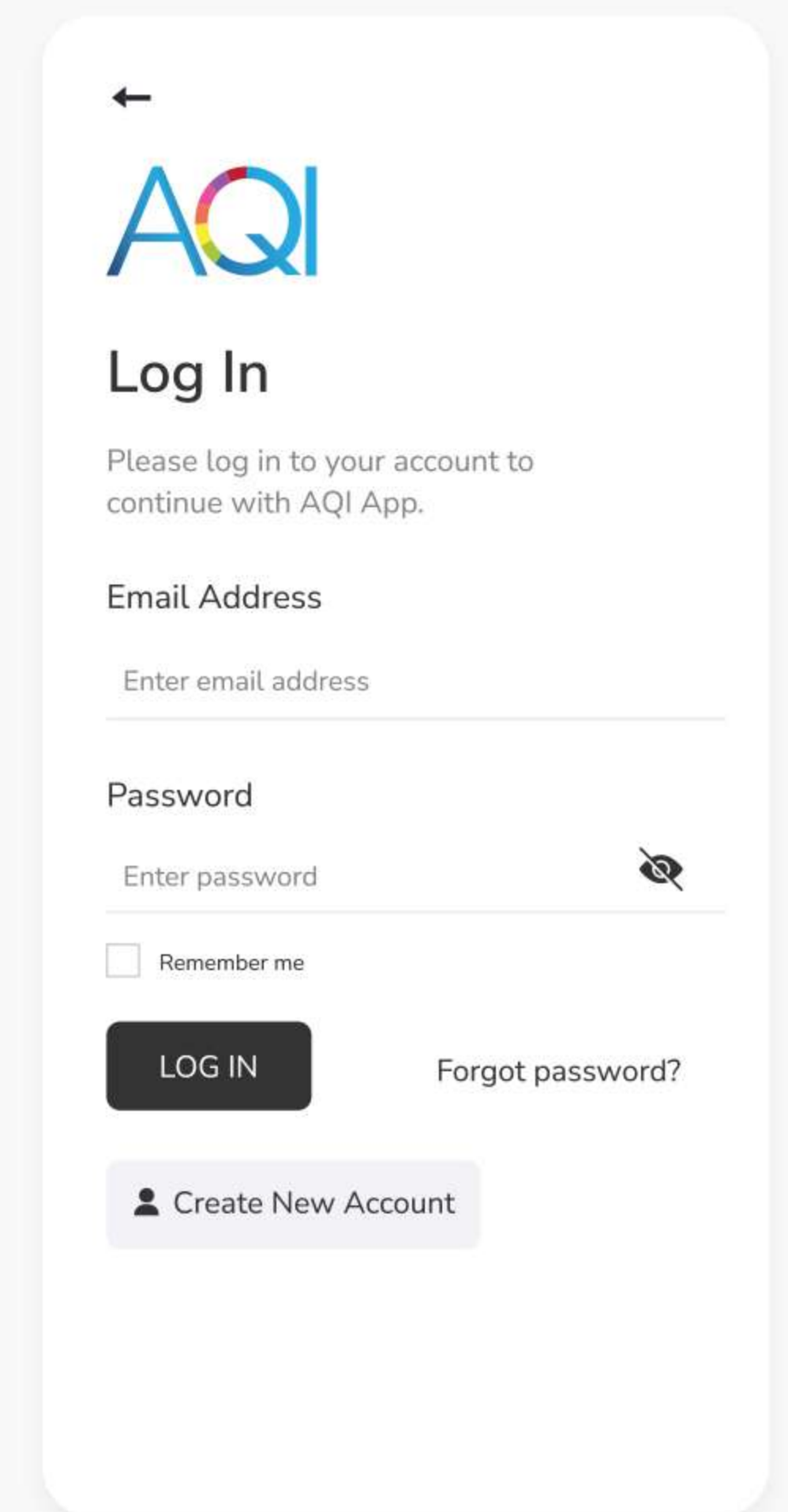
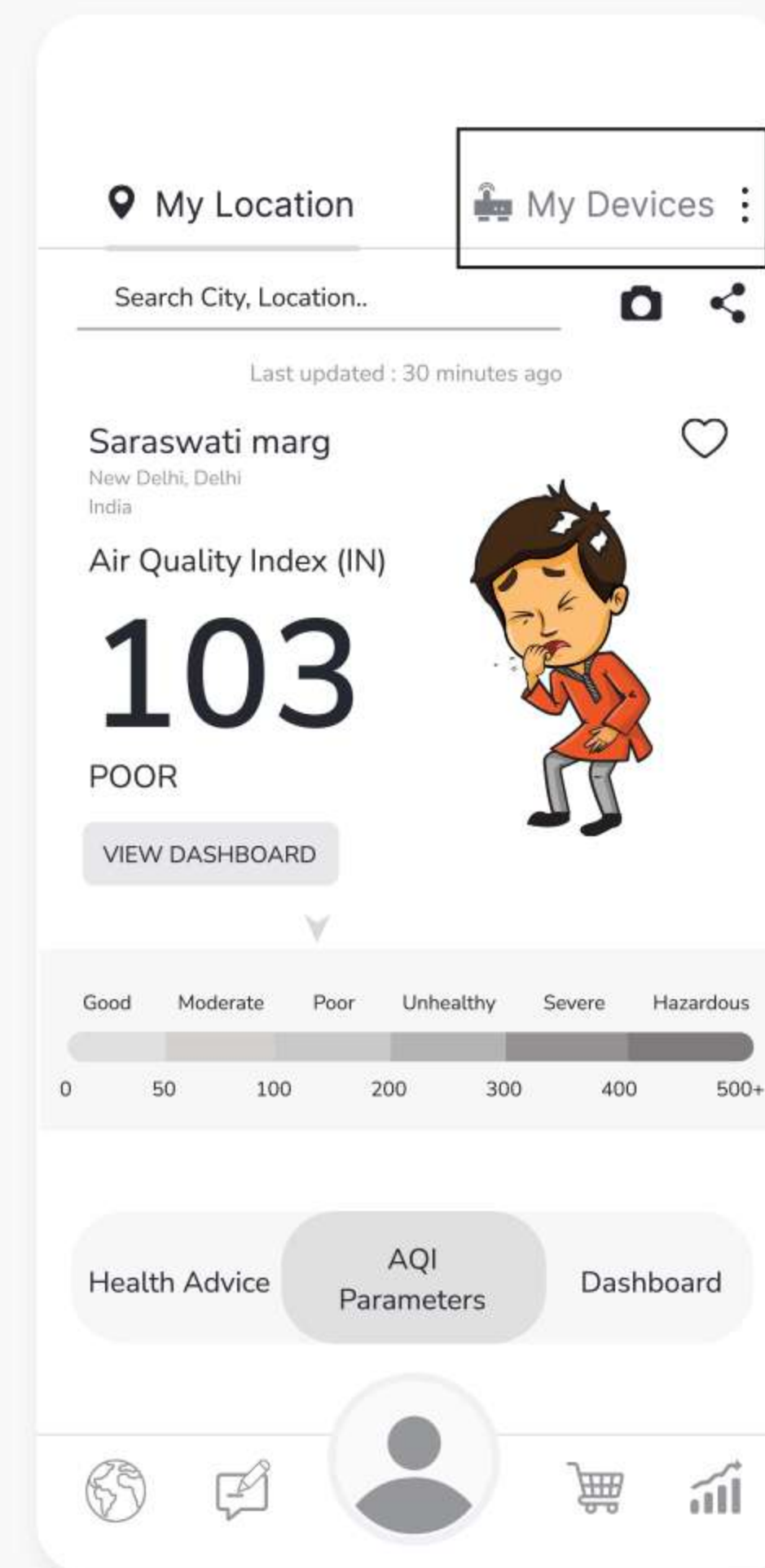
Connecting the monitor to the AQI App

The AQI app serves as a platform for easy access to the data collected by the device.

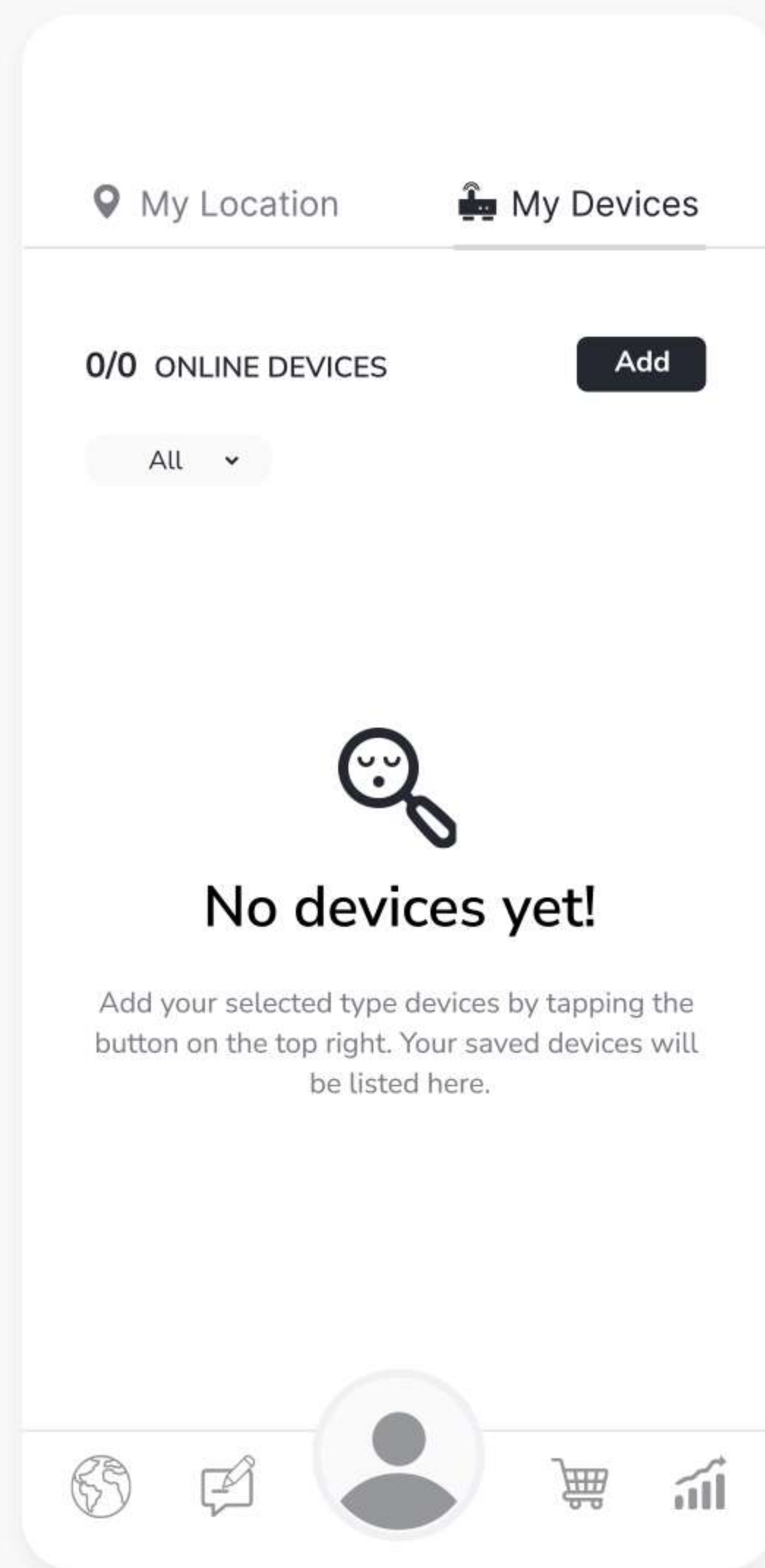
1 Install the AQI App and open it. Allow all the permissions accordingly.



2 Click on "My Devices" to Sign up for creating a new account or Log in if you already have one. For Login/ Sign up procedure, refer to Page 16.



3 Once logged in, Go to "My Devices" and then click on the "Add" button.




4 Then select "Handheld Monitor" under the 'Choose your Device' section.



- 5 Enter the device ID present at the bottom side of the monitor and click 'Next'.

< Enter Your Device Id


✓ — ● — ● — ●



Enter device Id

Device Id

Or



Scan Qr Code

- 6 Add all the necessary details and then click on the "Setup" button.

< Configure your Device

✓ — ✓ — ● — ●

DEVICE ID XXXXXXXXXXXXXXXX

DEVICE TYPE Outdoor

DEVICE NAME

Handheld

Select Location Office Enter Location Parking

Enter full address

Enter Address here

Area

Enter Area here

Sub-Area

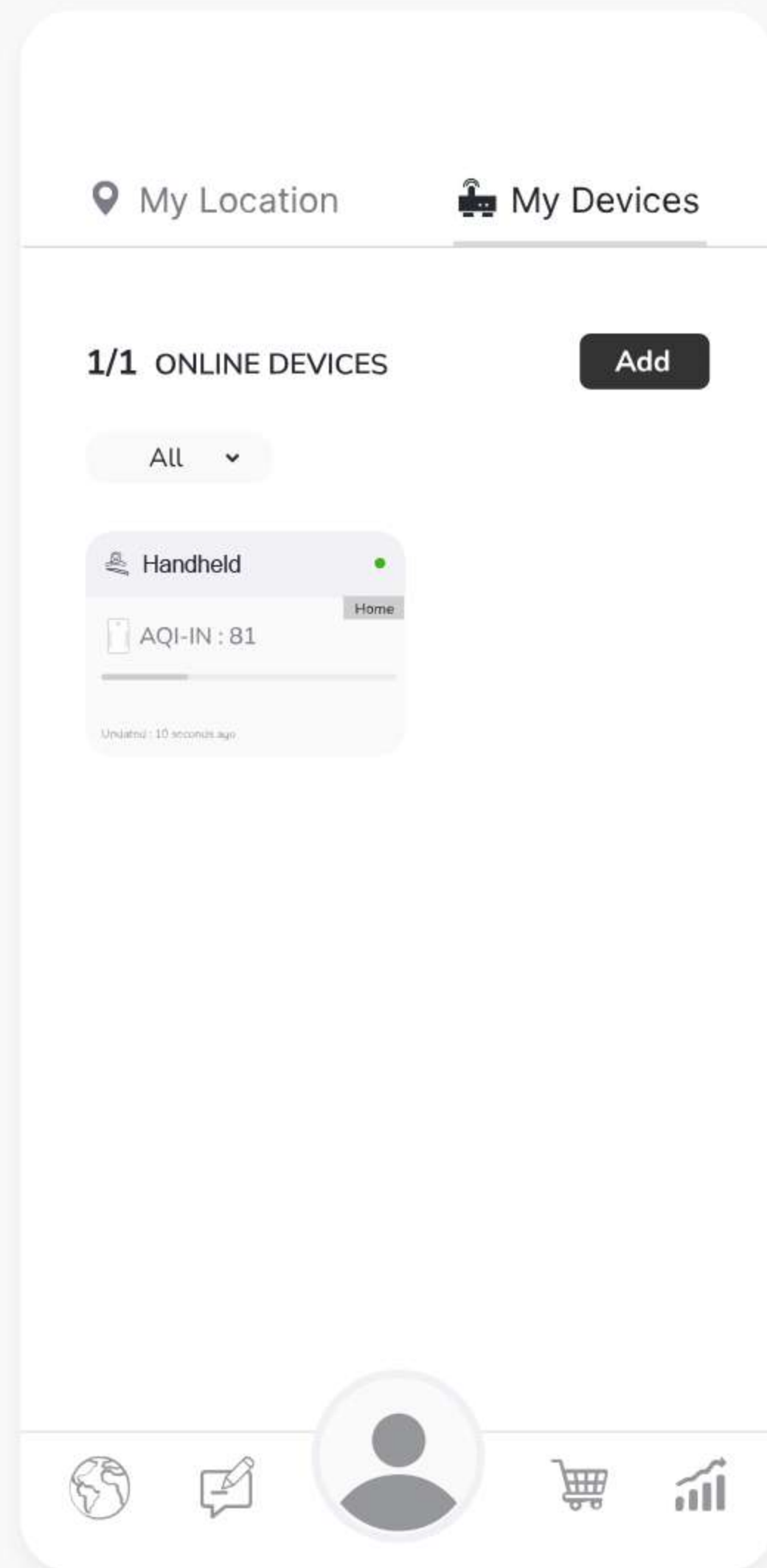
Enter Sub-Area here

Country India State Delhi

City New Delhi

Setup

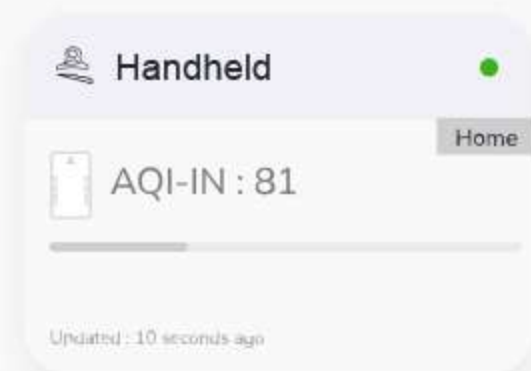
7 Your device is added successfully. You can see your added devices under **"My Devices"** section of the AQI App. Check device online status after 5 mins. If offline, verify power source, SIM card orientation and data availability.



NOTE:

Please ensure the device is successfully added to the AQI app and has established an online connection.

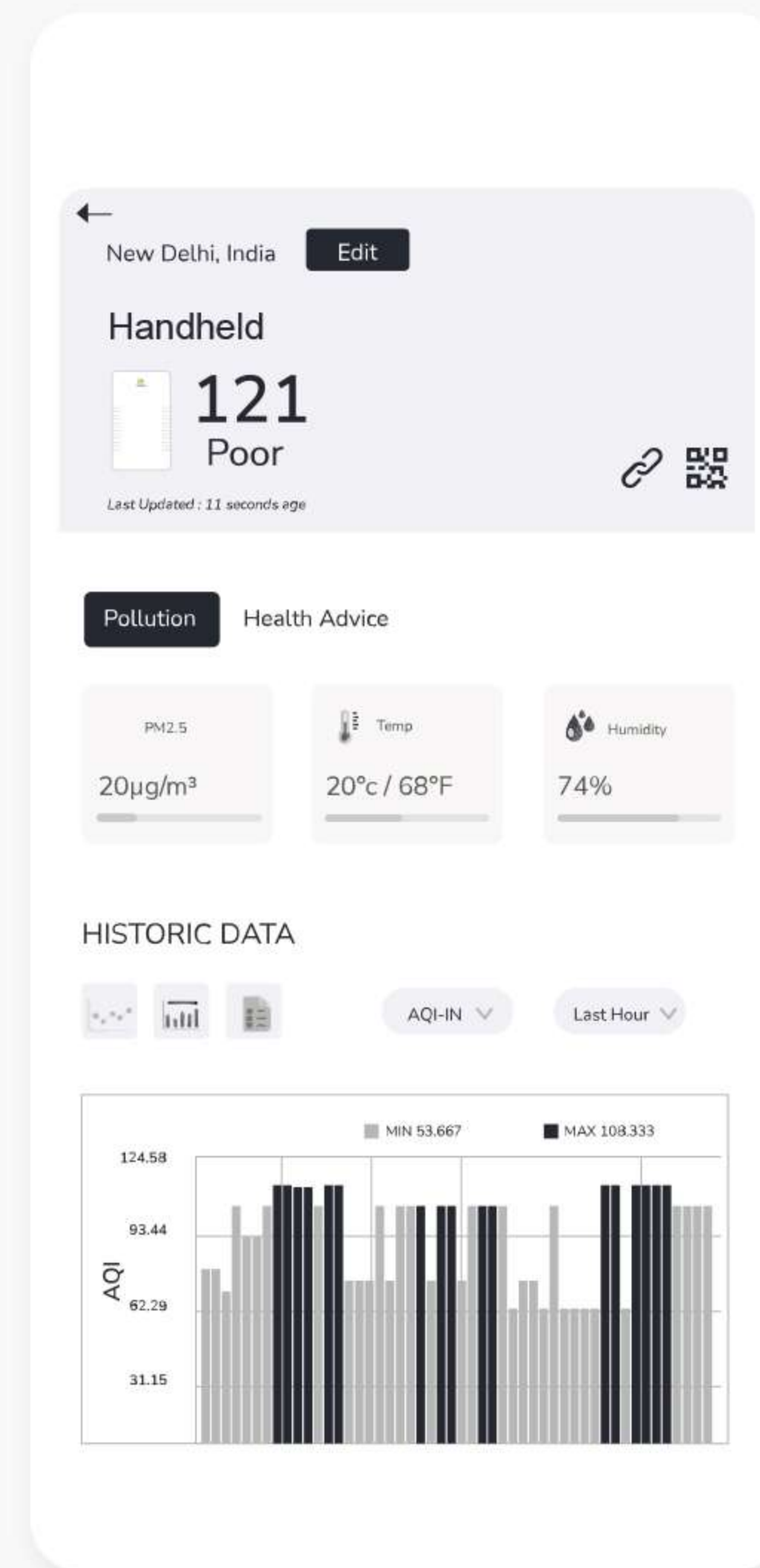
Status :
Device Online



Status :
Device Offline



8 Click on your device card in "My Devices" to get a detailed view of the monitored data. Click on the **"Edit button"** to edit the details of the device.

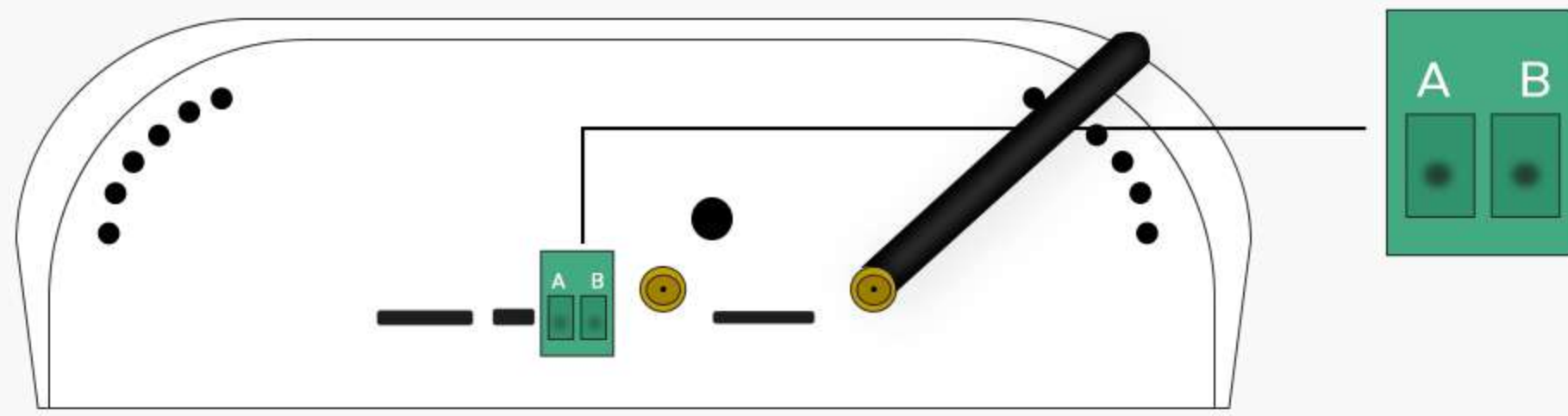


NOTE: The device will continue to display as online for 30 minutes even after going offline.

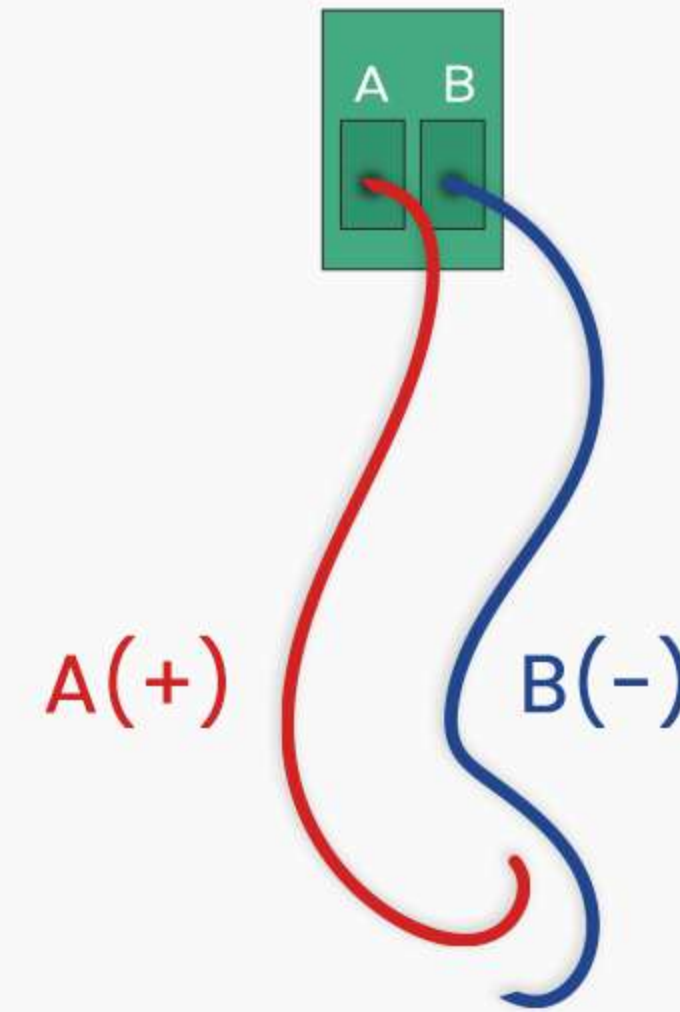
RS 485 Connectivity

RS-485 allows for more efficient data transmission and management.

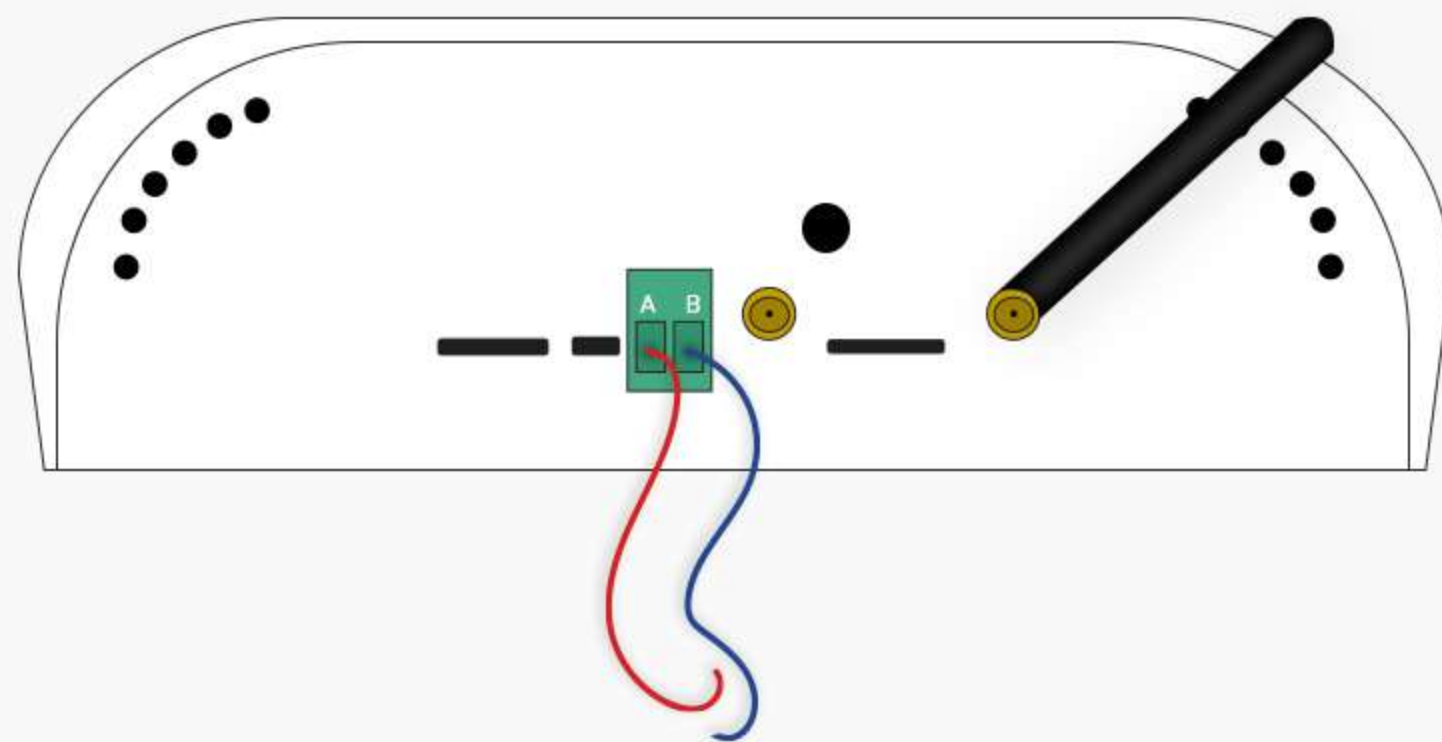
- 1 Pull out the green plug from the bottom of the monitor.



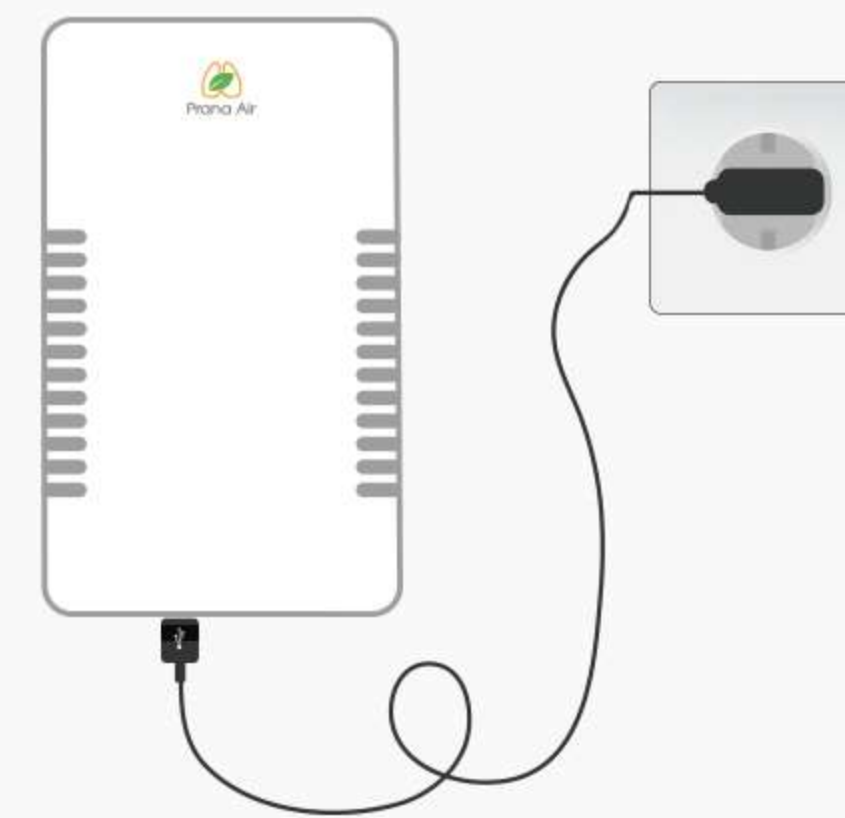
- 2 Insert positive and negative part as mentioned on the plug.



- 3 Insert the plug back into the device.



- 4 The handheld monitor can be used in following two ways:



Option 1
with power adapter



Option 2
With a power bank

3 Now, follow the RS485 mapping details given below :

- ◆ Baud Rate : 9600
- ◆ Parity : None
- ◆ Data Bit : 8 Bit
- ◆ Stop Bit : 1

Address (Holding Register)

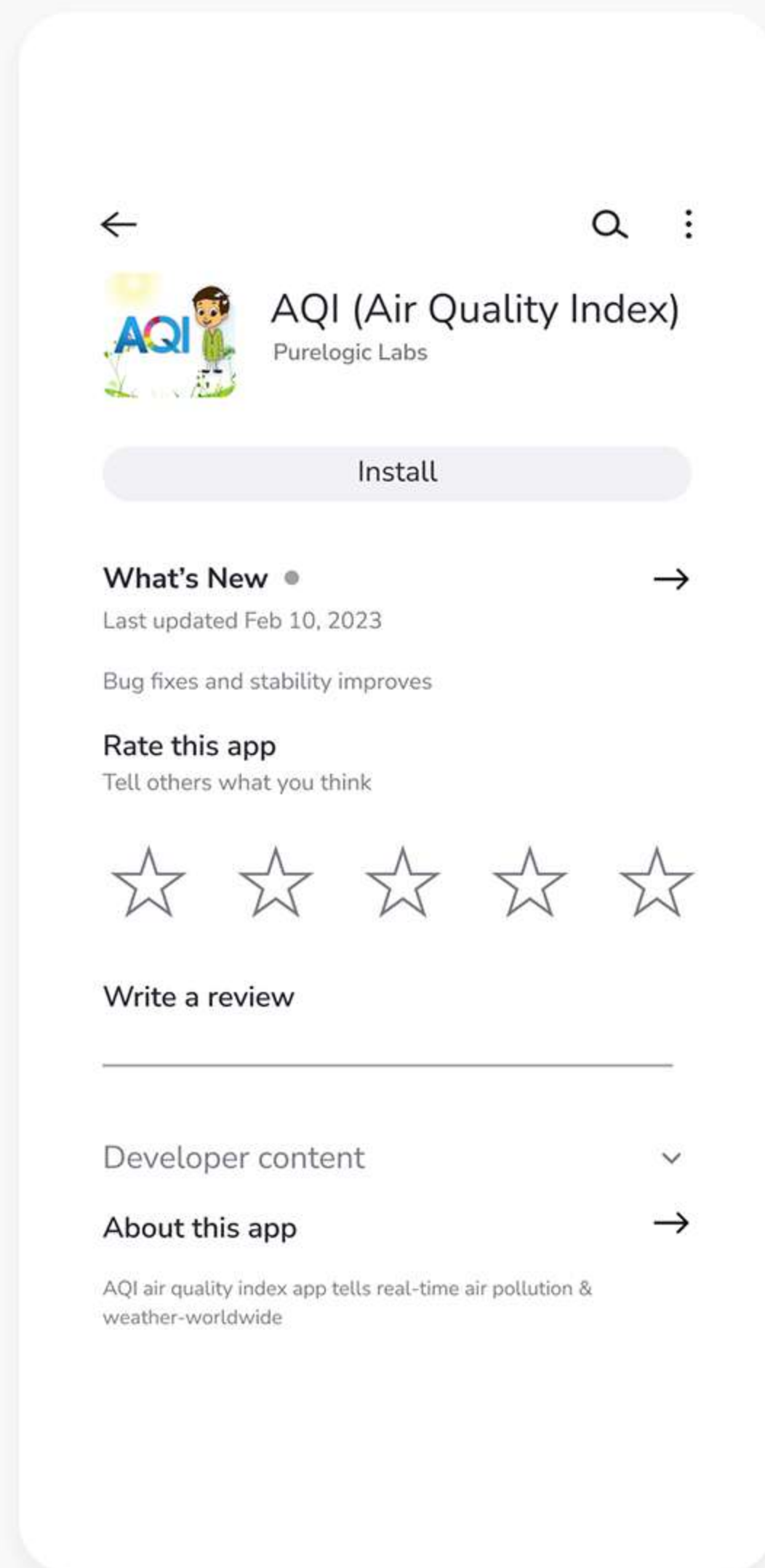
40001	PM2.5	$\mu\text{g}/\text{m}^3$
40002	CO ₂	PPM
40003	Temperature	°C
40004	Humidity	%
40005	PM1	$\mu\text{g}/\text{m}^3$
40006	PM10	$\mu\text{g}/\text{m}^3$
40007	SO ₂	PPB
40008	CO	PPB
40009	NO ₂	PPB
40010	O ₃	PPB
40033	H ₂ S	PPB

How to log in/ sign up?

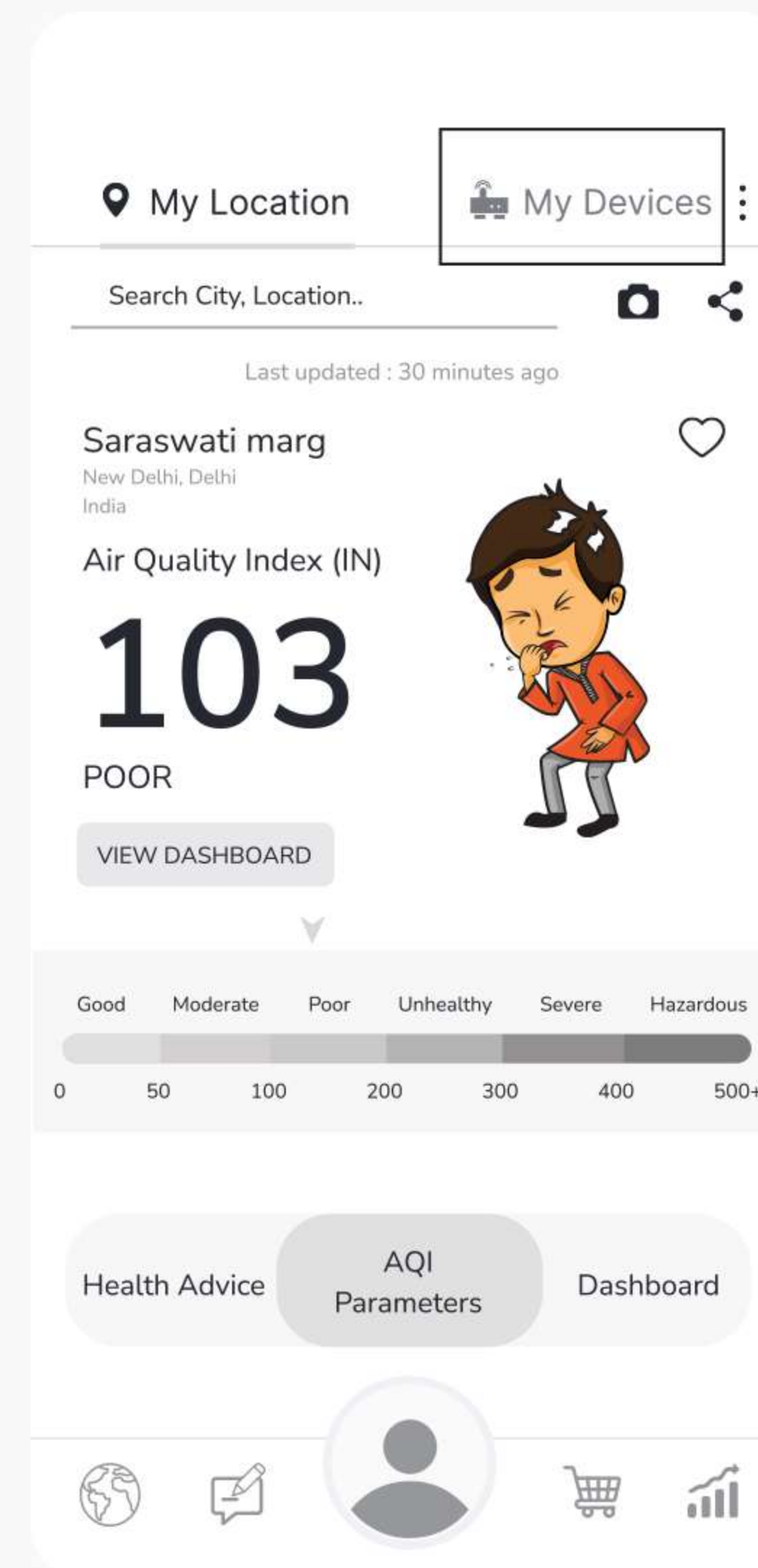
To provide access control, track monitored data, personalize the experience, and facilitate communication between users and the devices.

Sign Up :

- 1 Install the AQI India app on your smartphone.



- 2 Open the app and click on "My Devices" from the top right corner of the screen.



3 Click on the "Create New Account" button.

←

AQI

Log In

Please log in to your account to continue with AQI App.

Email Address

Enter email address

Password

Enter password

Remember me

LOG IN [Forgot password?](#)

Create New Account

4 Add the necessary details. Click on the checkbox after reading all the terms and conditions and privacy policies. Then click on the "Sign Up" button.

←

AQI

Create Account

Please sign up to your account to continue with AQI App.

Username

Enter username

Email Address

Enter email address

Password

Enter password

Mobile No

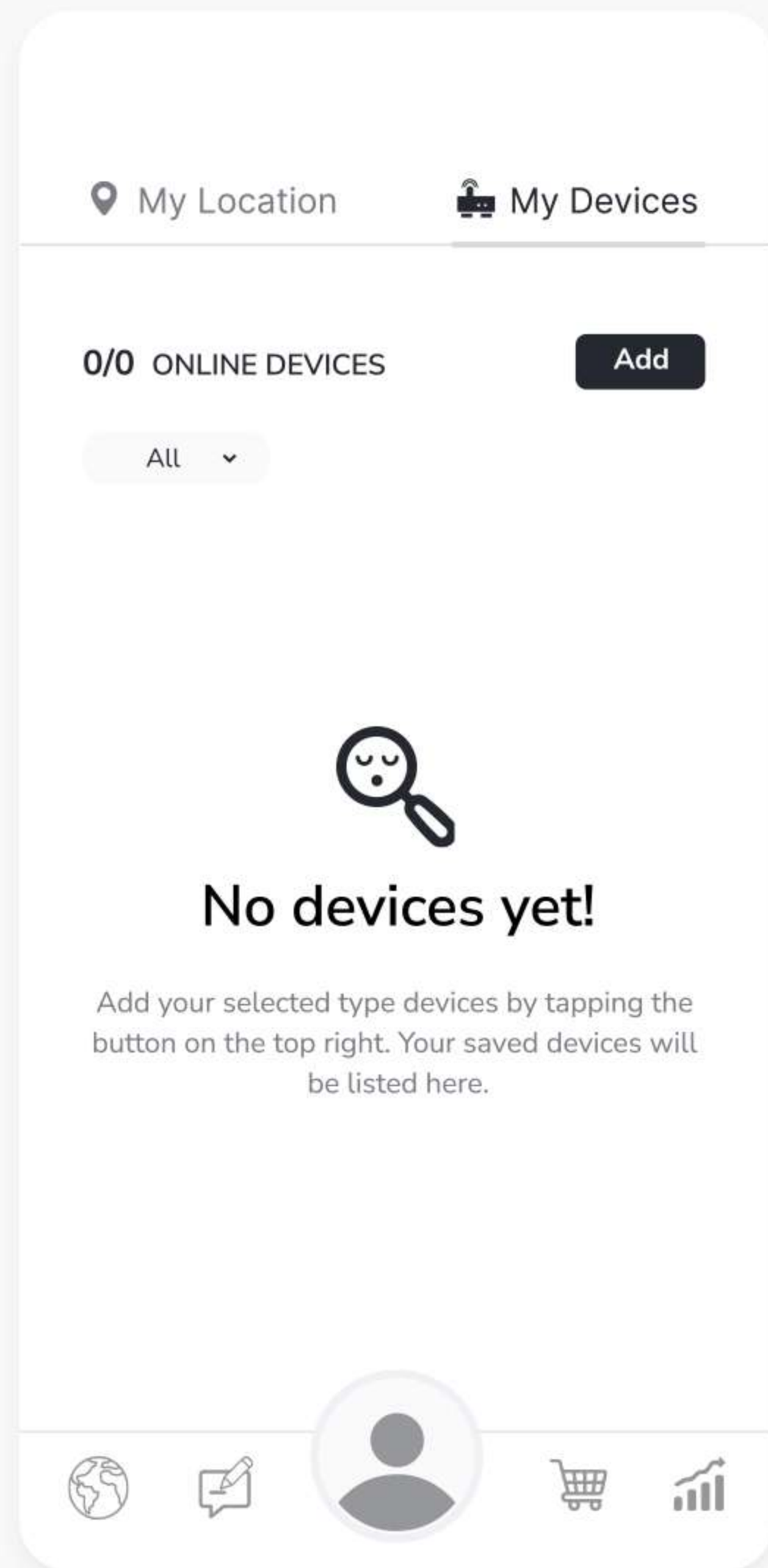
91+ Enter mobile

Yes, I agree with AQI [Terms of Use](#) and [Privacy Policy](#)

SIGN UP

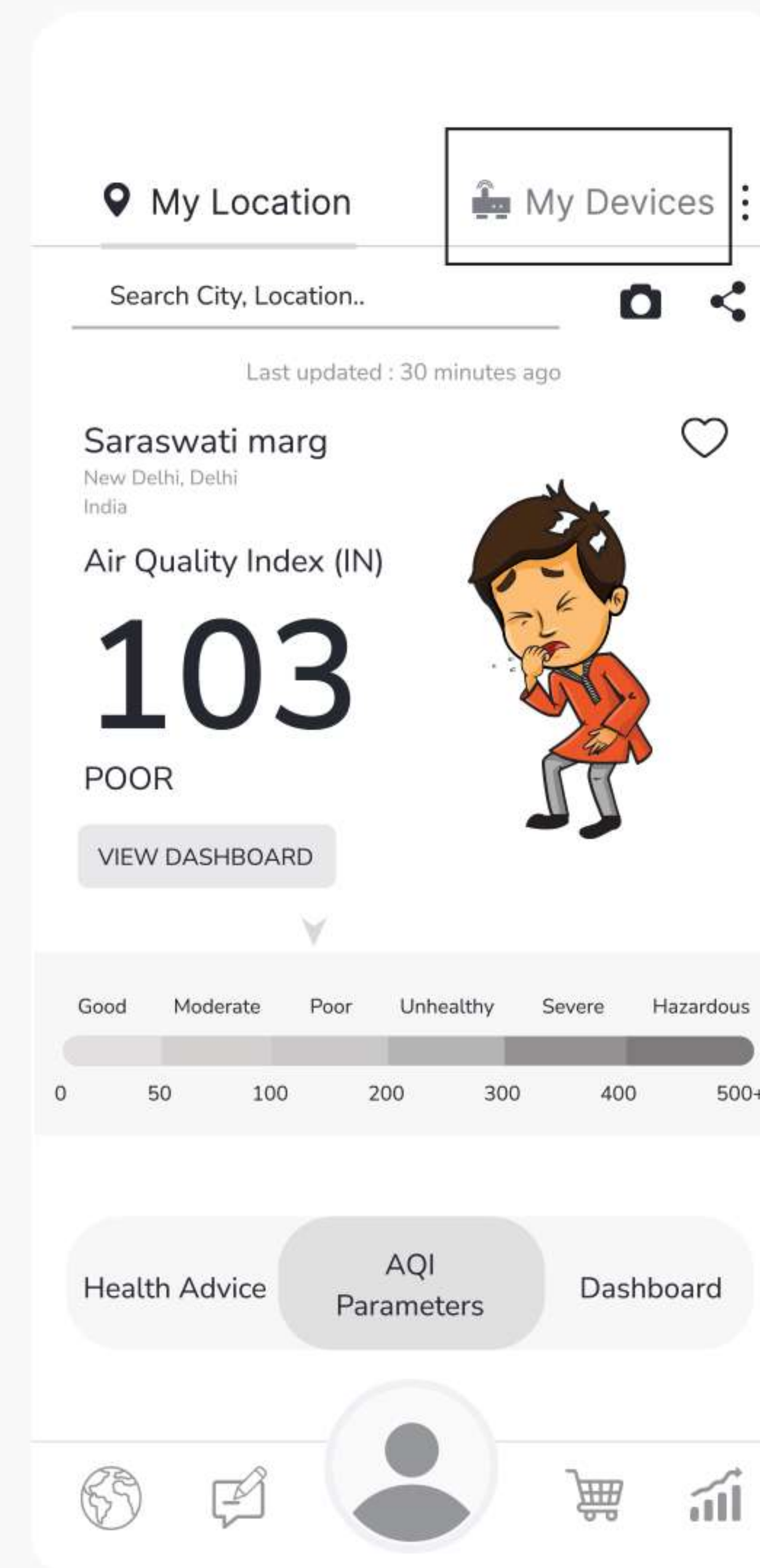
Already have an account

- 5 Your account is created. You will be redirected to 'My Devices' section where you can add different devices.

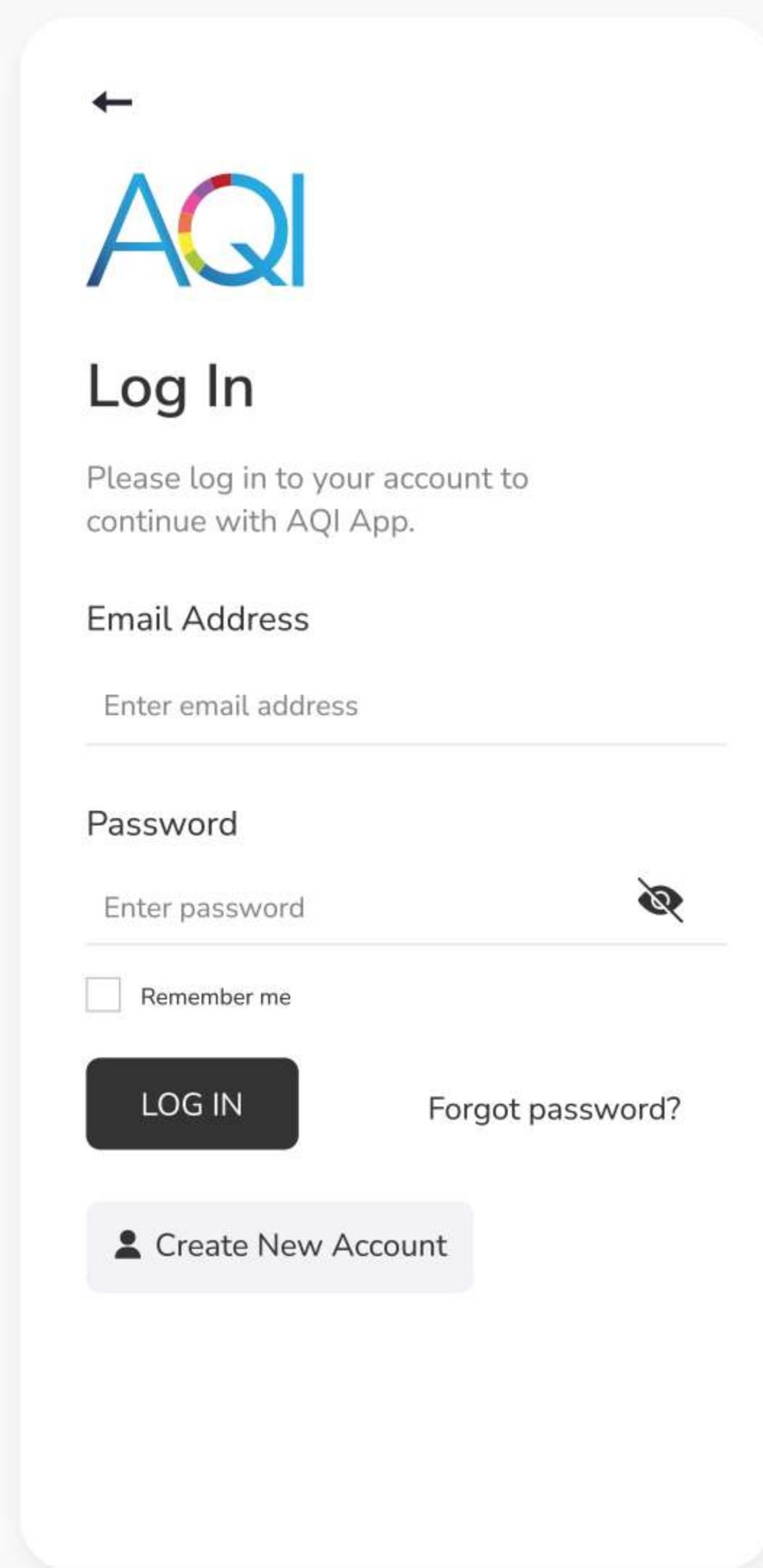


Login :

- 1 Open the app and click on "My Devices" from the top right corner of the screen.

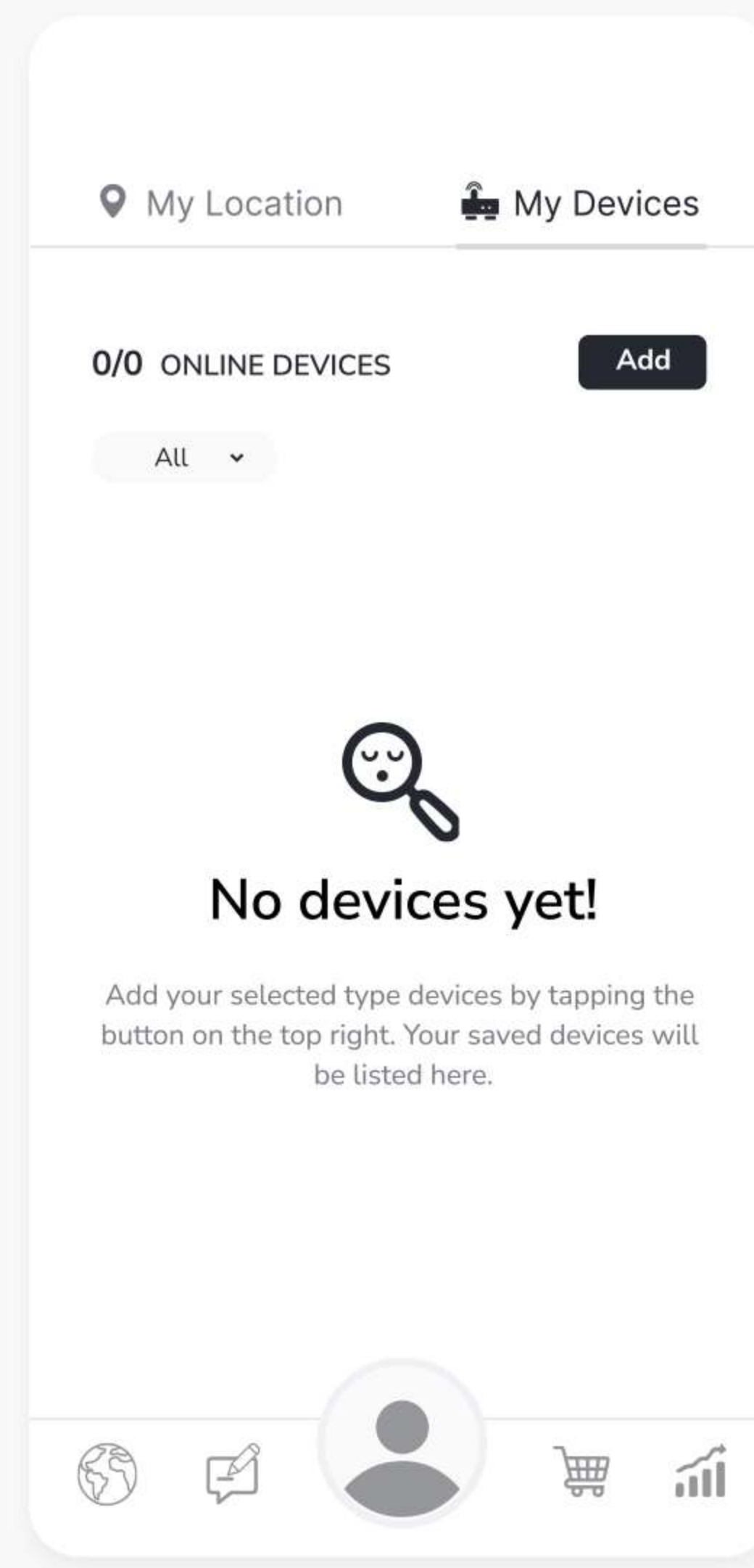


- 3 Enter your credentials and then click on the "Log in" button.



The screenshot shows the login page of the AQI app. At the top left is a back arrow. Below it is the AQI logo. The title "Log In" is centered. A message reads: "Please log in to your account to continue with AQI App." There are two input fields: "Email Address" with the placeholder "Enter email address" and "Password" with the placeholder "Enter password" and a toggle icon. Below the password field is a "Remember me" checkbox. At the bottom left is a "LOG IN" button, and to its right is a "Forgot password?" link. At the very bottom is a "Create New Account" button with a person icon.

- 4 You have now successfully logged in to your account. You can easily add devices and check the data remotely 24*7.



The screenshot shows the "My Devices" screen in the AQI app. At the top, there are two tabs: "My Location" and "My Devices". Below the tabs, it displays "0/0 ONLINE DEVICES" and an "Add" button. A dropdown menu shows "All". In the center, there is a magnifying glass icon with a sad face, and the text "No devices yet!". Below this, a message says: "Add your selected type devices by tapping the button on the top right. Your saved devices will be listed here." At the bottom, there is a navigation bar with icons for a globe, a speech bubble, a person profile (which is highlighted), a shopping cart, and a bar chart.

Safety Guide

To ensure safe and proper usage of this product, please refer to the following safety guide before operating the device.

- 1 Read the manual carefully: Read and follow the user manual before using the device.
- 2 The housing on the device is not weatherproof.
- 3 Precautions for potential hazards: Take appropriate precautions if you are aware of any potential hazards or risks related to the specific environment you are monitoring.
- 4 Preventive measures: If the gadget detects high levels of pollutants or other potentially hazardous substances, take precautionary measures such as opening windows or leaving the area.
- 5 Accessories: The user has the option to use an alternative adapter (with the same power rating) and USB cable.

NOTE:

The user can also opt for an alternative 5V/2.5A adapter.

Safety and maintenance

The safety and maintenance section of this product manual provides important information on how to use and maintain the device in a safe and reliable manner.

- 1 Having a comprehensive understanding of the safety and maintenance instructions for the device can enable you to use the device more safely and efficiently, and help to extend its lifespan as much as possible.
- 2 Make sure to turn on the device properly.
- 3 The adapter is not waterproof. Keep it in an enclosed waterproof enclosure to prevent corrosion or shocks.
- 4 If the air quality monitor is not functioning properly, do not attempt to repair it yourself. Contact us to diagnose and repair any issues
- 5 Store the air quality monitor in a cool, dry place when not in use. This will help increase the shelf life of the device.
- 6 Do not drop, shake, or knock the device. Violent usage may damage the internal circuitry.
- 7 Do not paint the device with paints or other chemicals. It may affect the accuracy and normal operation of the device.

Service Guidelines

This section outlines the recommended maintenance procedures and service requirements for ensuring the optimal performance and longevity of the device.

A. Warranty Terms

- 1 The device comes with a 1-year warranty against manufacturing defects.
- 2 A valid proof of purchase is required to be eligible for repairs or replacements.
- 3 Warranty will be void in case of physical damage.

B. Sending and Retrieving the Device for Repair

- 1 The customer must provide the necessary information, such as name, contact number, and fault description, to complete the repair work order.
- 2 If payment is made by cheque, the device can only be retrieved after the cheque has cleared."

C. Warranty Description

- 1 The warranty will not be covered in the following scenarios:
 - 1.1. Warranty period has expired.
 - 1.2. No valid proof of purchase is provided.
 - 1.3. The product on the valid proof of purchase is different from the actual product or the proof of purchase has been altered.
 - 1.4. The device is damaged due to improper usage or maintenance.
 - 1.5. The device has been repaired or disassembled by an unauthorized person.
 - 1.6. Damages due to force majeure.
- 2 Both national and international services can be availed only at Prana Air's office.
- 3 All replaced parts, components, and accessories during warranty services will be kept by the Prana Air service center.



Prana Air

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