



Citizen Science

Urban Microclimate Project



Sustainable Building
Innovation Laboratory



Built Environment
High Performance Architecture

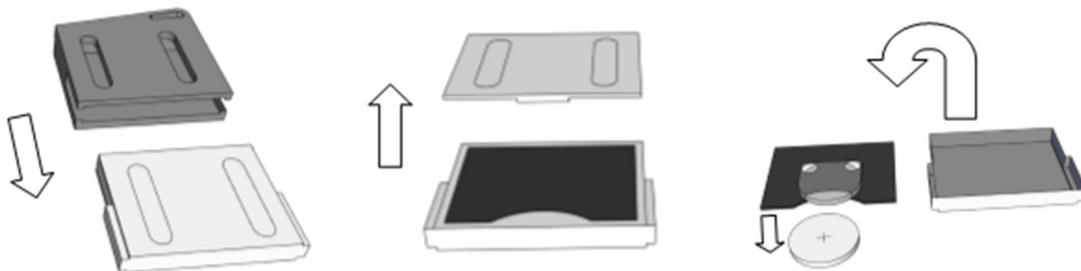
www.citizenscienceproject.org.au

#

MOBILE APP- Frequently Asked Questions

1. There is no green light flashing after pushing the ON button on the sensor

The battery in the sensor could be flat. Open the sensor, remove the battery and reinsert it. If the green light does not flash, replace the battery with a new one (CR2032) provided in the kit. Green light will flash instantly. Assemble the sensor and put it back into its sleeve.



2. The sensor could not be detected

The bluetooth on your smartphone needs to be turned on for pairing purposes. Refresh the device list on your phone using the top right hand circle  Your sensor (Microxxxx) should appear listed for pairing.

3. My smartphone detected the sensor but could not pair

The bluetooth on your smartphone needs to be turned on for pairing. If bluetooth was already turned on, turn it off and on, try pairing again.

4. I did not receive a verification email

Please check your Junk or Spam folder. If you don't see any email in those folders, please try registering with an alternate email.

5. Can I turn off the bluetooth function of my smartphone after experiment recording started?

Yes, you can. Turning off the bluetooth function of your smartphone after experiment recording started will not affect your experiment recording.

6. I want to end an experiment recording but my smartphone is still not detecting the sensor

Press the start button on the sensor. When the green light flashes, refresh the screen  on your smartphone and select your sensor to reconnect. This will not affect your experiment recording. You may proceed to end the experiment.

7. Can I start an experiment recording and do real time readings?

No. Once you start an experiment recording, you will not be able to do real time readings.

8. Which Reference/Weather Station should I select?

There are four Reference Stations set up by the project team and a number of Bureau of Meteorology (BoM) stations. Reference stations record outdoor climate at a higher frequency as compared to the default Weather Stations of Bureau of Meteorology (BoM). You need to select at least one station and maximum two stations for comparison purposes. Stations closer to your location or similar climate zones are recommended for comparison.

9. How do I interpret the results?

Please check section 6 in the “Start Here” document available to download from <https://citizenscienceproject.org.au/mobile-app/>

10. Can I save my experiment result?

You have the option of saving the graph of your experiment as a picture.

11. My question is not listed here

You may refer to the instructional video on the Citizen Science website (<https://citizenscienceproject.org.au/resources-for-citizens/videos/>). Alternatively, you can contact the project team at cs.microclimate@rmit.edu.au

12. What is Absolute Humidity?

Absolute Humidity is the measure of water vapor (moisture) in the air, regardless of temperature. It is expressed as grams of moisture per cubic meter of air (g/m³).

The maximum absolute humidity of warm air at 30°C is approximately 30g of water vapor – 30g/m³. The maximum absolute humidity of cold air at 0°C is approximately 5g of water vapor – 5g/m³. (source: adapted from www.zehnderamerica.com)