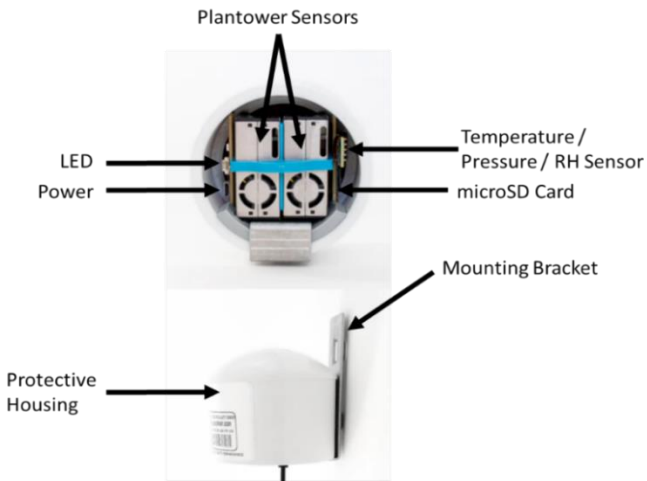


# PurpleAir FLEX: Particulate Matter (PM 2.5, PM 10) Sensor

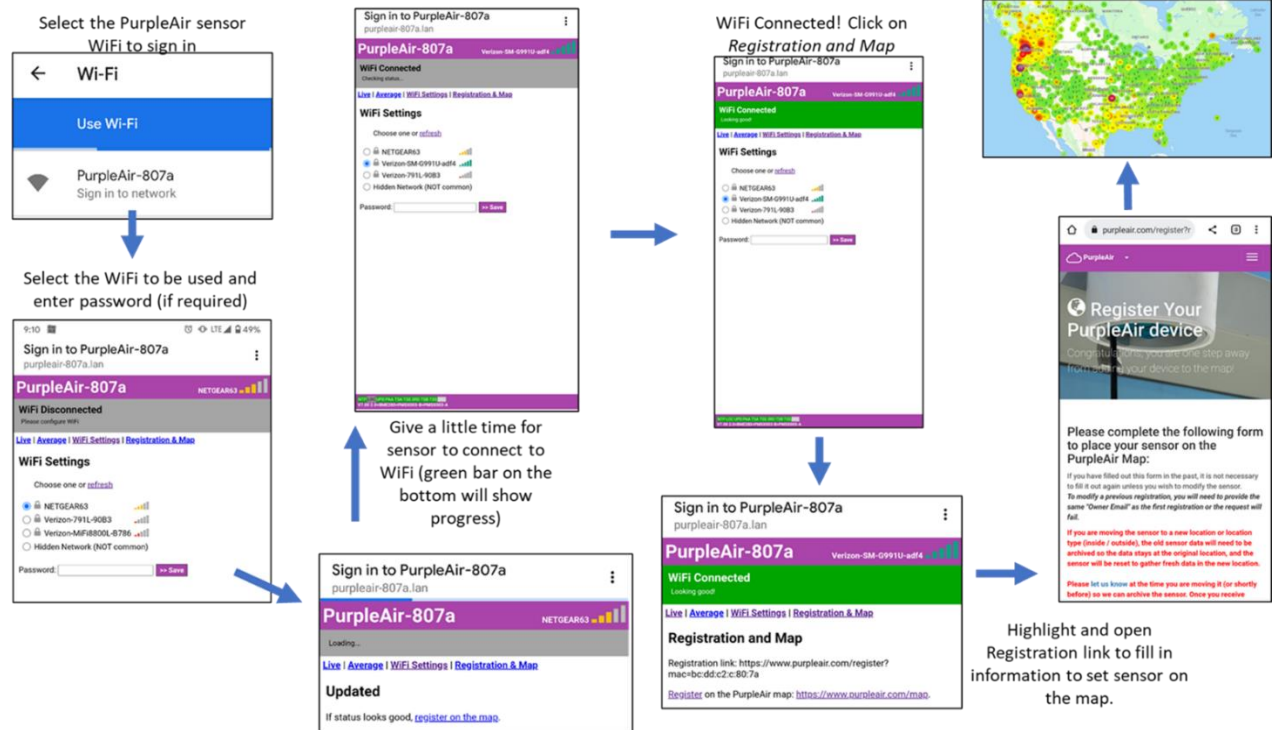


Access to troubleshooting or general sensor questions  
<https://community.purpleair.com/>

Jamie Gauthier  
[jamie.gauthier@wisconsin.gov](mailto:jamie.gauthier@wisconsin.gov) : 920-883-6046

Samm Posnanski:  
[Samuel.posnanski@wisconsin.gov](mailto:Samuel.posnanski@wisconsin.gov) : 414-308-6425

## 1. Connect to the sensors Wi-Fi (PurpleAir-\*\*\*\*) and then connect to Wi-Fi or hot spot.



## 2. Complete registration ([www.purpleair.com/register](http://www.purpleair.com/register))

Device-id (MAC)*	Printed on the device label just above the bar code. Please include the colons (:)	<input type="text" value="XXXXXXXXXX"/>	<b>Onboard LED Options</b>	PA-I and PA-II-FLEX Sensors that use LED's have the following additional options:
Associated Email *	This email address would have been used in the device purchase or other communication with PurpleAir. (A copy of this sensor registration will be e-mailed to this address.)	<input type="text" value="Associated email address"/>	LED Mode	<input type="text" value="Power, SD Status and Full Color AQI"/>
Installed*		<input type="button" value="Outside"/> <input type="button" value="Inside"/>	LED Brightness (%)	<input type="text" value="35"/>
Location Name*		<input type="text" value="The name that appears on the map"/>	<b>Data Processors</b>	In addition to PurpleAir, send data and the sensors "Map Location" to these 3rd party services:
Visibility*		<input type="text" value="Public (everyone)"/> <input type="text" value="Private (only me)"/>	Data Processor #1	To help citizen science, share your device's location and sensor readings with Weather Underground, an IBM business.
Map Location* (drag the marker to adjust)		<input checked="" type="checkbox"/> Set a location on the map Latitude: 44.5612032 Longitude: -88.1000448		<input type="text" value="Weather Underground"/>
			Data Processor #2	<input type="text" value="None"/>
			<b>Device Owner's Information</b>	This person can manage the device on the PurpleAir website and may receive device notifications.
			Owner's Name*	We use this name when sending alerts for this device.
			Owner's Email*	Used as a key to link you with this device. It must match any current value you may have set before.
			SMS Alert Phone Number	May be used to send text alerts for this device.

### 3. Site sensors (choose correct location on the map)

- Away from sources/sinks (e.g. above a BBQ, HVAC units, within bushes, near dusty roads etc.)
- ~6 ft above the ground to represent exposure and prevent vandalism
- ~270 deg of unobstructed flow and away from structures
- Good connection to power and Wi-Fi (if MicroSD card not available or

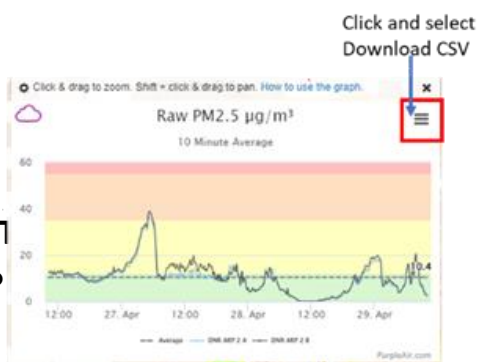
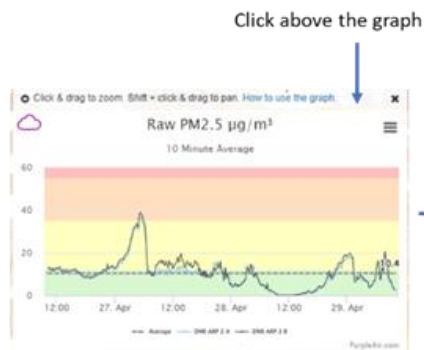


### 4. Periodically check on the map for sensor status and reporting (no errors)

- Connected to Wi-Fi: check on the PurpleAir Map
- NOT connected to Wi-Fi: visit the site, turn on a hot spot to connect the sensor and check the map.

### 5. Download data

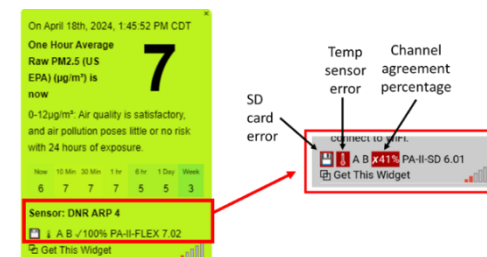
- MicroSD card (all data) *\*Necessary if Wi-Fi is not available*
- Online download tool (historic data) *\*Platform needs to be installed on a computer.*
- Map download (Recent data) *\*Wi-Fi connection is necessary. Shown below.*



### 6. 1

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- Corroded Temp Sensor
- Disagreement of A and B channels
- Malfunctioning MicroSD card reader



### 7. Recommendations

- Connect sensor to Wi-Fi (many issues with MicroSD card readers and data completeness)
- Weekly status checks for errors to ensure the sensor is performing well For more information on downloading PurpleAir data to look at longer term air trends using parameters such as PM2.5, Temp, Humidity please reference the PurpleAir community forum (<https://community.purpleair.com/>).