SENSOR CAPABILITIES

Carbon Dioxide (0-5000 ppm)
Particulate Matter
(PM1, PM2.5, PM10: 0-500 ug/m^3)
Ozone 020 pm
AQI 0500
Dew Point
Heat Index
Temperature Ambient
Barometric Pressure
Light Intensity
Humidity
Altitude

DEVICE COMPATIBILITY

Uses Bluetooth 4.2

Wireless Range: 20 meters line-of-sight (60ft)

Connects to almost any Mac computer, Windows computer, Chromebook, iOS device, or Android device.

BATTERY

Rechargeable Li-Poly
3500 mAh capacity

BATTERY CHARGING

Use a micro USB to charge.

LED blinks red every 10 seconds while charging, stops when fully charged.

Battery fully charges in approximately 2 hours. Battery lasts for 24 hours of continuous recording.

Device charges faster when it is powered off. The red LED light will not blink, but the device will continue charging while connected to power.

PRODUCT CARE

PocketLab Air is NOT waterproof. Keep it protected from the rain. This sensor is durable, however, some components may break if dropped on hard surfaces.

Need Help?

We're here for you!

Log in to PocketLab Notebook for tutorials, a knowledge base, and chat support. Visit **thepocketlab.com/notebook**

Questions? Send us a message: **thepocketlab.com/contact**

Explore detailed instructions and exciting experiments at **app.thepocketlab.com/air**

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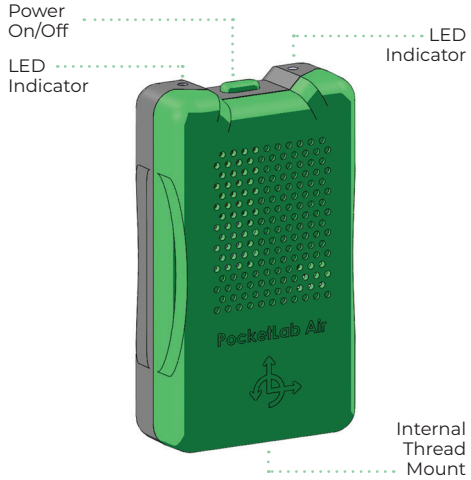
SCIENCE. EVERYWHERE.

Air

SENSOR USER GUIDE



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Let's Get Started:

GO TO: app.thepocketlab.com
in Google Chrome/Microsoft Edge or use "the PocketLab" app on iOS/Android

CONNECT POCKETLAB SENSOR:

- Click "Connect a PocketLab"
- Turn on PocketLab (short press top button)
- Select your sensor in app window

Important: For Bluetooth pairing, use the app only, not your device settings.

CREATE FREE NOTEBOOK ACCOUNT:

Save data, access interactive lessons, manage classes and student accounts, and more!

- Click "Teachers: Login or Create Account"
- For tutorials visit thepocketlab.com/training

BUTTON FUNCTIONS	
Short Press	Start Bluetooth pairing
Long Press (5 secs)	Power Off
LED CODES	
RED-GREEN Flash	Ready to connect (fast) Disconnected (slow)
BLUE Flash	Bluetooth pairing initiated (3X)
VIOLET Flash	Connected to app (1X per 5 secs)
RED Flash	Low Battery (3X per 5 secs) Battery Charging (3X per 10 secs)
ORANGE Flash	Downloading data to app

Learn more at
app.thepocketlab.com/air

Explore additional exciting and interactive Air lessons in the PocketLab Notebook Lesson Library!

Calibration / Information

24-HOUR CALIBRATION PROCEDURE

PocketLab Air sensors are factory calibrated, yet sensor drift may occur during shipment. To recalibrate, run the PocketLab Air for 24 hours or more using PocketLab Notebook. Connect the PocketLab Air to the notebook and let run for 24 hours, powered by battery or USB.

CO2 FIELD CALIBRATION

Connect your PocketLab Air to Notebook and expose it to clean outdoor air for 10 minutes. Click on the graph menu button and press "calibrate" to calibrate the CO2 sensor.

TEMPERATURE / SETTLE TIME

The internal sensor needs time to settle, especially after charging or sunlight exposure. Allow up to ten minutes for PocketLab Air to adjust to new conditions.

OZONE

The U.S. EPA scale ranges from 0 to 500, reflecting six health levels. AQI is based on five pollutants; PocketLab Air's score reflects particulate matter measurement. If all five pollutants cannot be measured, AQI is calculated from available data.

ATTENTION

PocketLab Air ozone measurements are for educational purposes only and should not be used for safety monitoring. Ozone can be harmful; caution advised for experiments without proper training and lab settings.