If using optional silicone case accessory, align case button with power button

SENSOR CAPABILITIES

Temperature (probe)
Temperature (ambient)
Humidity
Barometric Pressure
Altitude
Light Intensity
Dew Point
Heat Index

DEVICE COMPATIBILITY

Uses Bluetooth 4.0

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

SENSOR SETTLE TIME

Allow up to 10 minutes for your PocketLab Weather to adjust to new conditions.

BATTERY

Rechargeable Li-Poly
Connect via micro USB
240 mAh capacity

BATTERY CHARGING

Use a micro USB cable to charge. LED blinks red every 10 secs while charging, stops when fully charged.

PRODUCT CARE

PocketLab Weather is NOT waterproof. Keep it protected from the rain.

Need Help?

We're here for you!

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

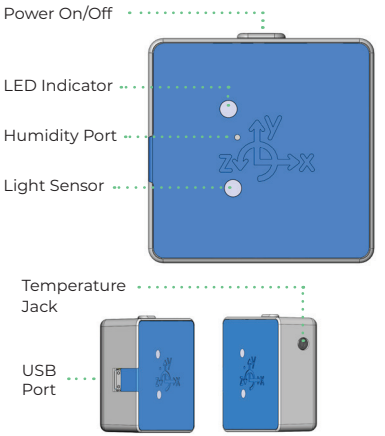
Questions? Send us a message: **thepocketlab.com/contact**

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

PocketLab
SCIENCE. EVERYWHERE.

Weather

SENSOR USER GUIDE



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Get Started:

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

CONNECT 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 ACCOUNT:

Save data, access interactive lessons, manage classes/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
RED-GREEN Flash Ready to connect (fast) Disconnected (slow)
GREEN Flash Bluetooth pairing initiated (3X) Connected to app (1X per 5 secs)
RED Flash Disconnecting from app (solid) Battery Charging (3X per 10 secs)
ORANGE Flash Downloading data to app

Weather Explorations!

TEMPERATURE:

Wait for the internal temperature sensor to settle on ambient conditions, especially after charging or sunlight exposure. Use the detachable probe to measure instant or liquid temperatures.

BAROMETRIC PRESSURE:

To measure barometric pressure, seal your PocketLab in a bag filled with air and gently squeeze it. This compresses the air molecules, increasing pressure against the bag. Similarly, the PocketLab's sensor detects pressure changes by monitoring the expansion and compression of its sealed cavity, measured by a piezoresistor.

LIGHT INTENSITY:

Light intensity measures the amount of visible light spread across an area. PocketLab measures light intensity in lux, which is one lumen per square meter.

RELATIVE HUMIDITY:

Air can hold a certain amount of water vapor depending on the temperature. Warmer air can hold more water vapor than colder air. Relative humidity measures the amount of water vapor in the air compared to its maximum capacity at the current temperature.

DISCOVER MORE!

Explore our fun and engaging Weather lessons in the PocketLab Notebook Lesson Library!

app.thepocketlab.com/weather