SENSOR CAPABILITIES

Position (rangefinder)
Quaternion Orientation
Barometric Pressure
Temperature (probe)
Temperature (ambient)
Angular Velocity
Magnetic Field
Altitude
Humidity
Dew Point
Heat Index
Acceleration
Light Intensity

DEVICE COMPATIBILITY

Uses Bluetooth 4.2

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 Voyager 2 to adjust to new conditions.

BATTERY

Rechargeable Li-Poly
Connect via micro USB
250 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 Voyager 2 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/voyager-2**

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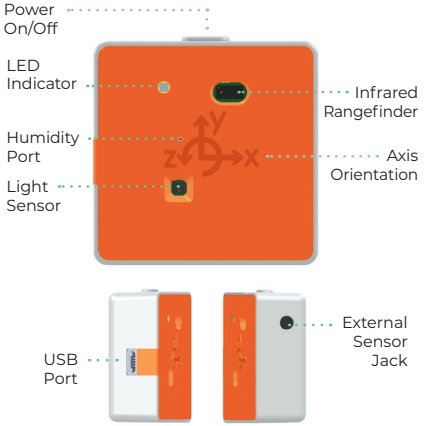
SCIENCE. EVERYWHERE.

Voyager 2

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

Voyager 2 Investigations!

IR RANGEFINDER

Determine Velocity

Secure the PocketLab Voyager 2 atop a cart, ensuring the IR rangefinder is directed towards a wall. Rangefinders emit laser beams that rebound off distant objects. Use the rangefinder's clock to measure the return time and calculate distance—it's like magic!

MAGNETOMETER

Assess Magnetic Fields

Align one axis of the magnetometer with the direction of the magnetic field to observe an increase in field strength along that axis. Can you discern the north and south poles of a magnet on your refrigerator? Delve into the magnetic world's mysteries!

ACCELEROMETER

Investigate Gravity

With the PocketLab Voyager 2 at rest, twist and turn its orientation with respect to Earth's gravity. Observe the dynamic changes on the graph. Unravel the mysteries of gravity—it's like being detectives!

Explore Movement

Shake the PocketLab Voyager 2 vigorously along different axes and observe the graph transform before your eyes. Dive into the thrilling world of movement and discover its secrets!

DISCOVER MORE!

Explore additional exciting and interactive Voyager 2 lessons in the PocketLab Notebook Lesson Library!

app.thepocketlab.com/voyager-2