

## CAPA Sensor Specs

Type "T" thermocouple  
Temp: -40 to 80°C range; ±0.5°C accuracy  
Humidity: 0 to 100% range; ±2-5% accuracy  
Sampling rate: 1/s

GPS Unit  
Position accuracy: 3.0m  
Velocity accuracy: 0.1m/s  
Sampling rate: 1/s

**Blinking Green Light** = GPS is searching for signal  
**Solid Green Light** = GPS signal is locked (good!)

- The GPS signal usually locks within 5-10 minutes; if after 10 minutes you don't have a solid green light, move locations.
- Once the light turns solid green, it will very likely stay solid green, so you do not need to check on it constantly.
- If it's difficult to see the GPS light because of daylight, cup your hand around the switch and you should see the light.

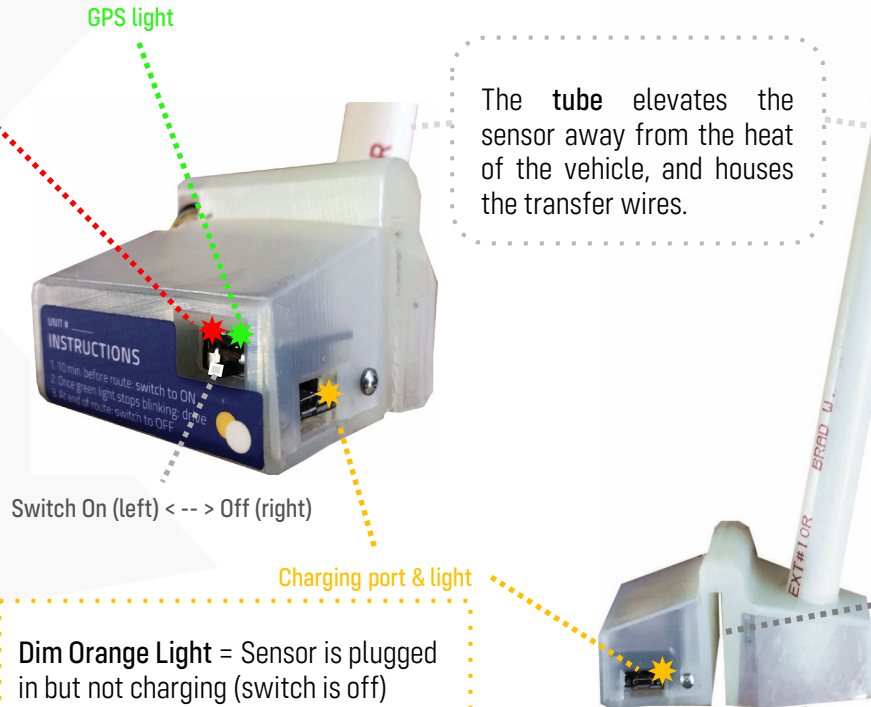
**Battery light**

**Solid red light** = low battery

- The sensor will arrive to each campaign fully charged with a 10-hour battery life, so you should not need to charge it.
- If the red low battery light does turn on (solid or slowly blinking), plug in the USB charging cable with the car or wall adapter, and connect to the device at the charging port; turn the sensor ON (switch to the left) to charge the equipment.
- The sensor takes 1 hour to full charge, replenishing its 10 hour battery life.

**Rapid blinking red light** = malfunction (rare occurrence!)

- If you see a rapidly blinking red light before, during, or after your traverse hour, pull over and get in contact with your organizer.



Switch On (left) <--> Off (right)

**Dim Orange Light** = Sensor is plugged in but not charging (switch is off)  
**Bright Orange Light** = Sensor is charging properly (switch is on)  
**No Orange Light** = Sensor is fully charged (switch is on)

The **tube** elevates the sensor away from the heat of the vehicle, and houses the transfer wires.

The sensor **ID label** should be on a sticker here (e.g. CAPA1000).

The **fan** keeps air moving through the chamber, even when your vehicle is still.

**Additional tips!**  
-If it starts to rain: pull over, immediately bring the sensor inside of the vehicle and turn it off! The sensor is **not waterproof**.  
-If you need to bring the sensor inside the vehicle or building for any reason, be sure to **turn it off**.

**Mount the sensor** over the passenger side window of your vehicle  
-ALWAYS keep a hand of the sensor when installing or removing!  
-DON'T ROLL DOWN YOUR PASSENGER WINDOW WHILE YOU'RE MOVING! The sensor will likely fall and could break.  
-If your window automatically rolls down when it bumps into an object in the way, try repeatedly & gently tapping the window-up button so that it eases up to the sensor mount.

