

INDUSTRIAL PRODUCT DATASHEET

Pimoroni Enviro pHAT

Multi-sensor environmental monitoring pHAT for Raspberry Pi, measuring up to 10 variables including temperature, pressure, light, colour, motion, and compass heading.

SKU

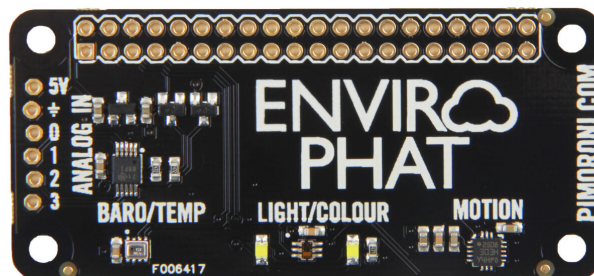
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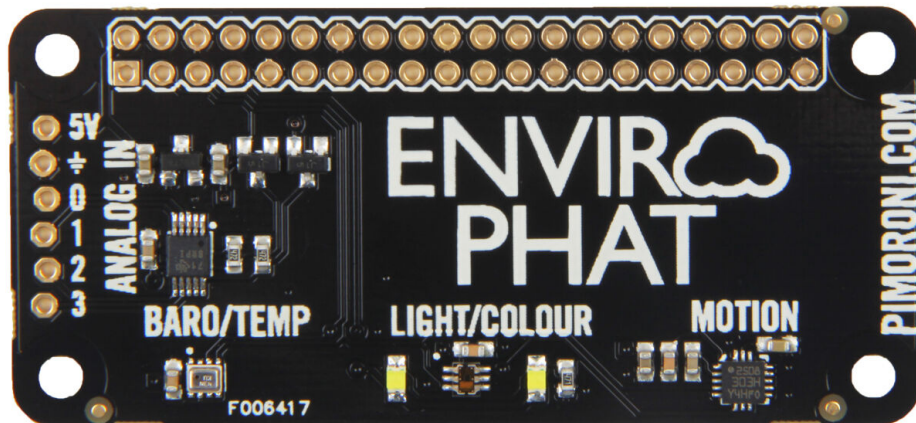
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PRICE

\$19.95(Excl. VAT)



Overview



Enviro pHAT measures temperature, pressure, light, colour, 3-axis motion, compass heading, and analog inputs using BMP280, TCS3472, LSM303D, and ADS1015 sensors. It is compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W and includes a comprehensive Python library for easy integration.

Key Features

Enviro pHAT packs 4 different sensors, letting you measure temperature, pressure, light level, colour, 3-axis motion, compass heading, and analog inputs. That's up to 10 different variables!

It's ideal for monitoring conditions in your house, garage, or galleon. Set up a web server with Flask and remotely monitor everything from anywhere.

Combining Enviro pHAT with our other HATs and pHATs gives almost endless possibilities: display sensor values on Unicorn pHAT, use Display-O-Tron HAT to display sensor data, display a graph of values with Scroll pHAT, and much, much more.

The MagPi gave Enviro pHAT five stars and called it a "fun, easy-to-use add-on with plenty of possibilities".

Features

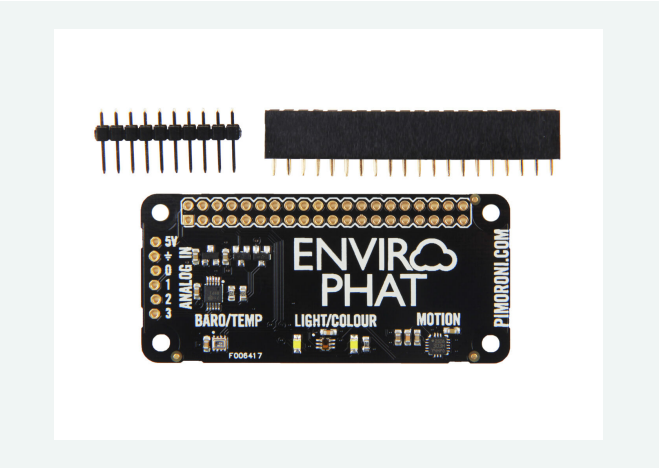
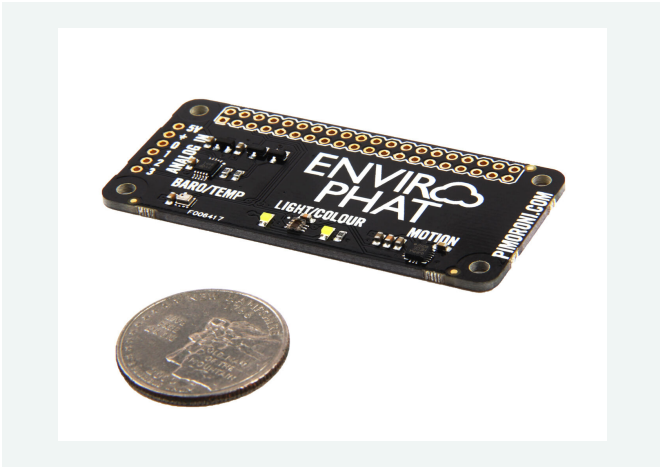
- BMP280 temperature/pressure sensor
- TCS3472 light and RGB colour sensor
- Two LEDs for illumination
- LSM303D accelerometer/magnetometer sensor
- ADS1015 4-channel 3.3v, analog to digital sensor (ADC)
- **Enviro pHAT pinout**
- Compatible with Raspberry Pi 3, 2, B+, A+, Zero, and Zero W
- **Python library**
- **Female header and ADC male header require soldering**

Software

We've put together a comprehensive **Python library** to make using Enviro pHAT really simple, as well as examples of motion detection and temperature threshold triggering.

Our software does not support Raspbian Wheezy.

Product Gallery



Part List

ENVIR pHAT	1
2 x 20 pin female header	1
6 pin header	1

Compliance & Logistics



HSCODE	9025900090
COO	UNITED KINGDOM

Resource Links

- <https://www.seeedstudio.com/Pimoroni-Enviro-pHAT-p-3006.html>

Seeed Technology Co.,Ltd.

9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676

Web: www.seeed.cc

Shop: www.seeedstudio.com