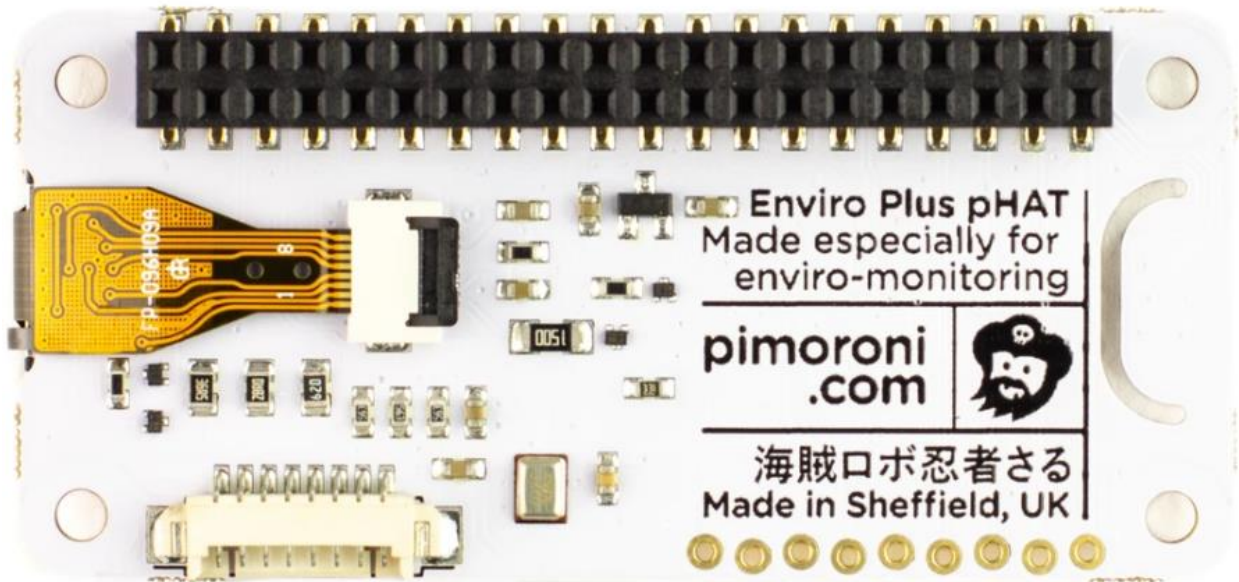# Enviro for Raspberry Pi – Enviro + Air Quality

PIM458

Monitor your world with Enviro and Enviro + Air Quality for Raspberry Pi! There's a whole bunch of fancy environmental sensors on these boards, and a gorgeous little full-colour LCD to display your data. They're the perfect way to get started with citizen science and environmental monitoring!

Monitor your world!

Enviro + Air Quality is designed for environmental monitoring, and lets you measure air quality (pollutant gases and particulates*), temperature, pressure, humidity, light, and noise level. When combined with a **particulate matter sensor***, it's great for monitoring air quality just outside your house (more information below) and lets you contribute your data to citizen science efforts to monitor air quality via projects like **Luftdaten**.

Enviro is designed for indoor monitoring, letting you measure temperature, pressure, humidity, light, and noise level. It's great for keeping tabs on what's going on in rooms in your house, office, or elsewhere. Push the data to server and you can view the data remotely from anywhere.

Enviro + Air Quality features

- BME280 temperature, pressure, humidity sensor (**datasheet**)
- LTR-559 light and proximity sensor (**datasheet**)
- MICS6814 analog gas sensor (**datasheet**)
- ADS1015 analog to digital converter (ADC) (**datasheet**)
- MEMS microphone (**datasheet**)
- 0.96" colour LCD (160x80)
- Connector for **particulate matter (PM) sensor** (available separately)
- Pimoroni breakout-compatible pin header
- pHAT-format board
- **Fully-assembled**
- Compatible with all 40-pin header Raspberry Pi models
- **Pinout**
- **Python library**
- Dimensions: 65x30x8.5mm

Enviro features

- BME280 temperature, pressure, humidity sensor (**datasheet**)
- LTR-559 light and proximity sensor (**datasheet**)
- MEMS microphone (**datasheet**)
- 0.96" colour LCD (160x80)
- Pimoroni breakout-compatible pin header
- pHAT-format board
- **Fully-assembled**
- Compatible with all 40-pin header Raspberry Pi models
- **Python library**
- Dimensions: 65x30x8.5mm