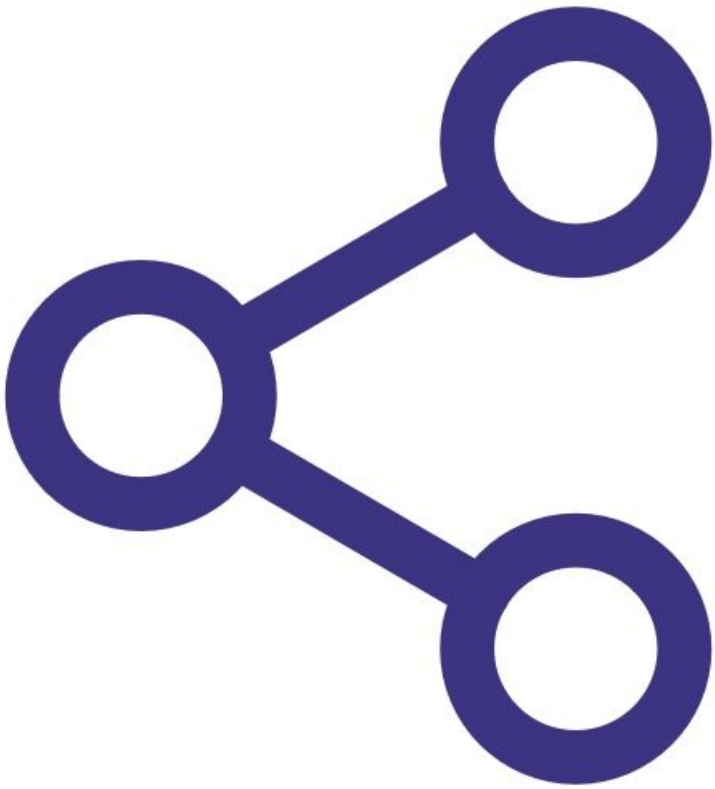
Connect third-party sensor using virtual AUX

Written By: Tanya Taylor

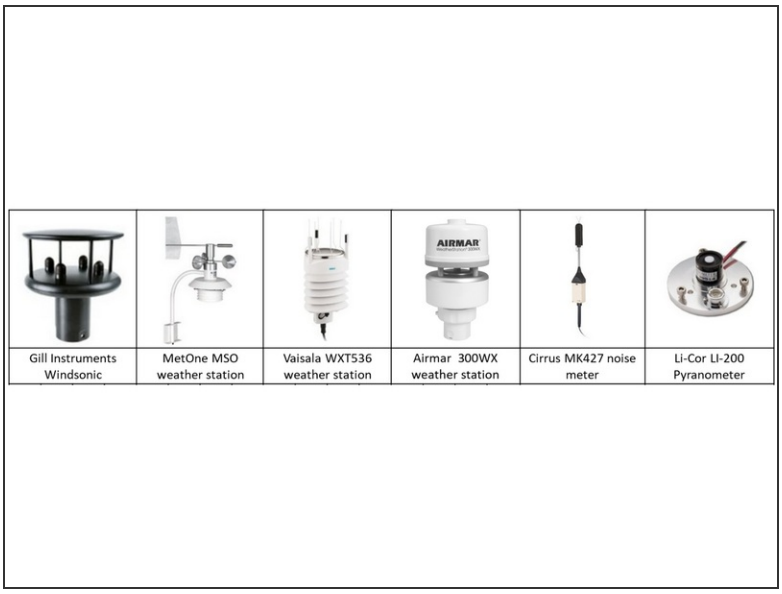


PARTS:

- Vaisala weather sensor (1)
- Met One weather sensor (1)
- Gill Windsonic wind sensor (1)
- AirMar 200WX and 300WX (1)

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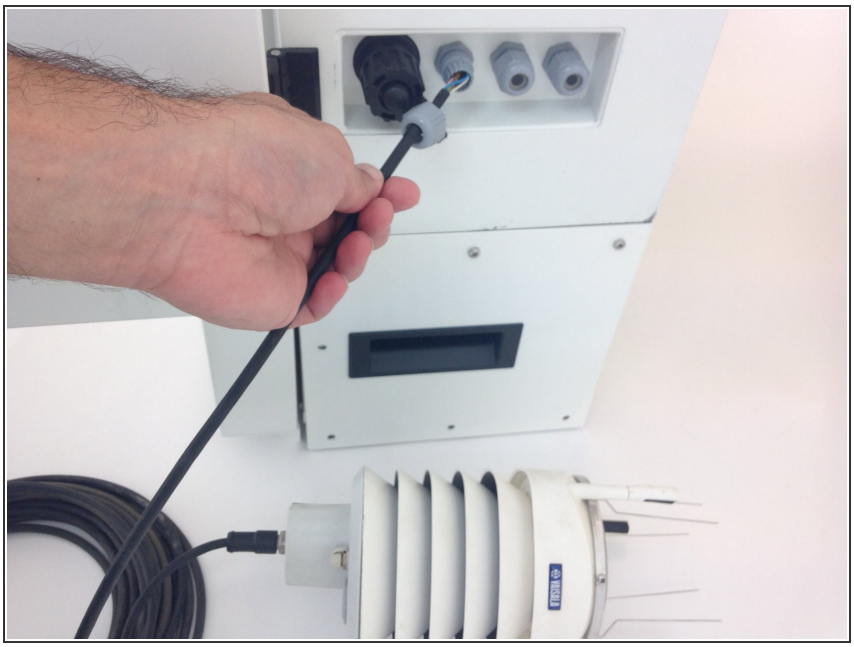
Step 1 — Overview





- If you bought your monitor after October 2019, you can easily connect the following third-party sensors using virtual AUX.
  - MSO weather station from Met One
  - WXT536 weather station from Vaisala
  - Windsonic from Gill Instruments
  - 200WX and 300WX from AirMar
- However, the following third-party sensors need to be manually wired to the AUX module .
  - MK427 noise meter from Cirrus
  - LI-200 Pyranometer from Li-Cor

Step 2 — Thread cable

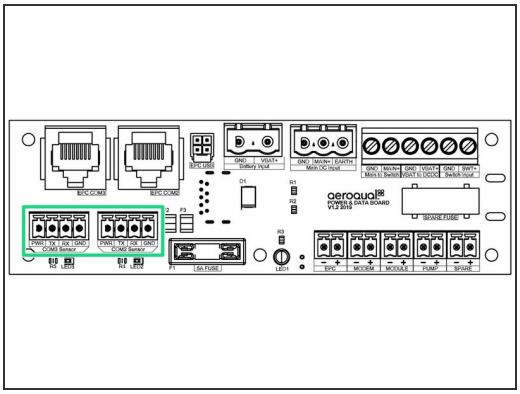


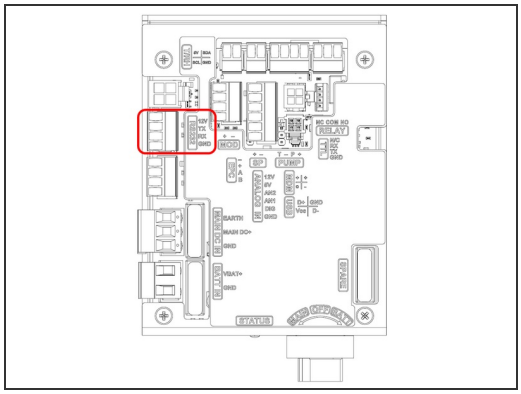
- Thread the sensor's cable through a free cable gland on the outside of the monitor. The gland could be on a side wall or the underside of the monitor. It depends on the model.

ⓘ To check the operation of the third-party sensor in your office or laboratory prior to site installation, this step isn't mandatory.

Step 3 — Find communication ports

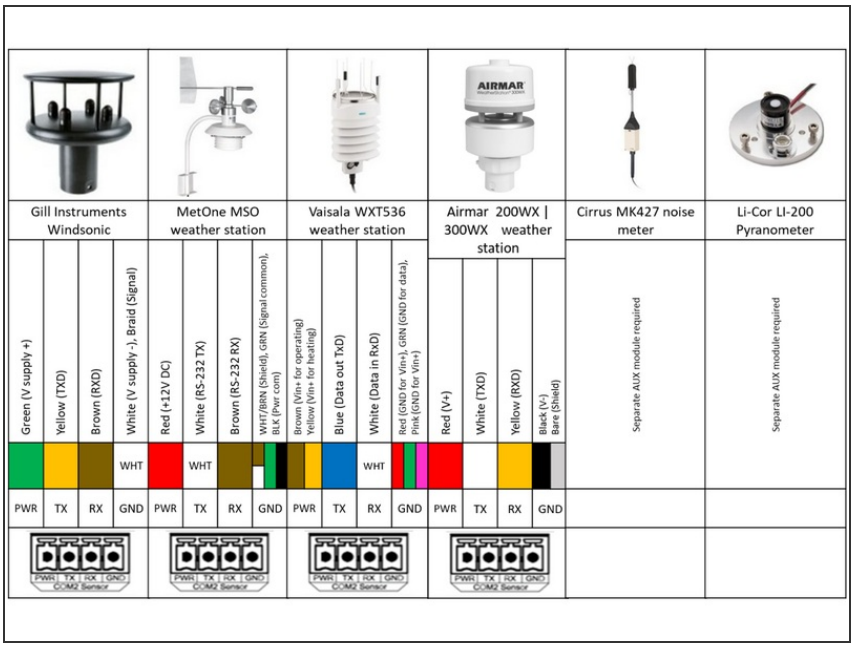






- For V1 PDI with Cover: Remove the cover from the power and data interface (PDI).
- Find the communication ports for third-party sensors:
  - For V1 PDI (Rectangular board located centrally): on the left-hand side of the PDI board. These 4-way communication ports are labelled **COM3 Sensor** and **COM2 Sensor** (green).
  - For PDICore (Square board on right-hand side): on the left-hand side of the PDICore the 4-way communication port is labelled **RS232**.

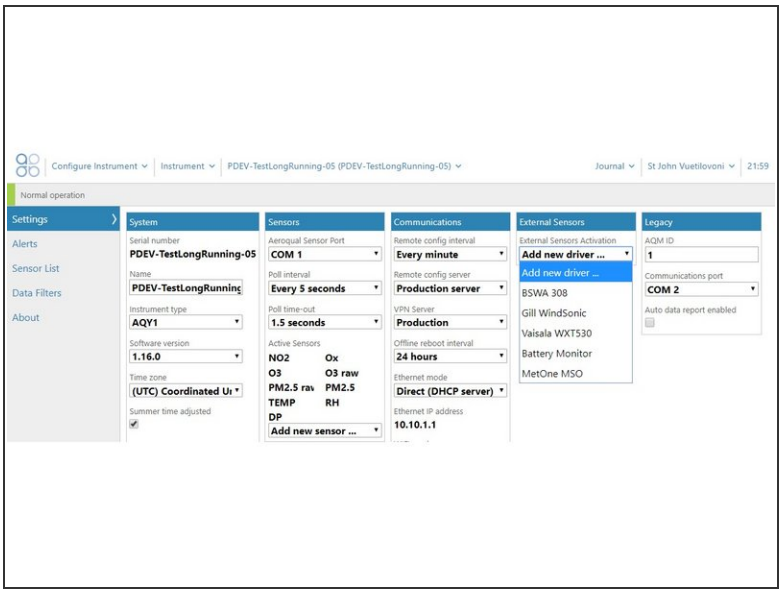
Step 4 — Wire in sensor

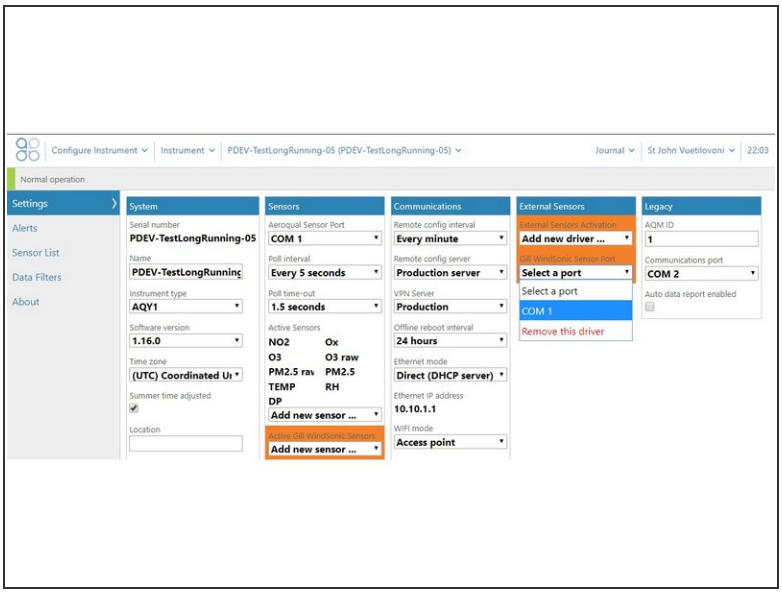


- Using the colour coded chart to guide you, wire the sensor into one of the communication ports.

ⓘ The Cirrus MK427 noise meter and Li-Cor LI-200 Pyranometer need to be connected using a separate auxiliary (AUX) module.

Step 5 — Configure sensor





- When you're happy with the wiring, turn on the monitor.
- Wait a few minutes and log in to Aeroqual Connect.
- Go to the **Configure** app and click **Settings** from the side menu.
- In the **External Sensors** column, choose the driver for your third-party sensor.
  - ⓘ More selection fields appear in the **External Sensors** column, and the sensor appears in the **Active Sensors** list in the **Sensors** column.
- Choose the communication port the sensor is connected to from the drop-down list in **External Sensors**.
- Click **Save**.

For further support, contact Technical Support.