

Air Velocity Sensor Breakout FS3000 (Qwiic)

SEN-18377

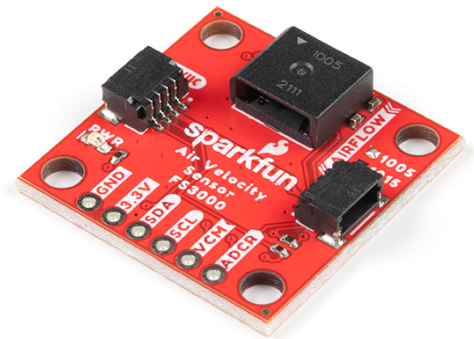
Product Overview

10-17-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun Air Velocity Sensor Breakout FS3000 (Qwiic) can keep track of the airflow in a data center or around servers. This breakout board helps to check HVAC and air control systems are functioning at full capacity. The SEN-18377 breakout board is focused around Renesas' FS3000-1005, a surface-mount air velocity module with a range of 0-7.2m/s (0-16.2mph).



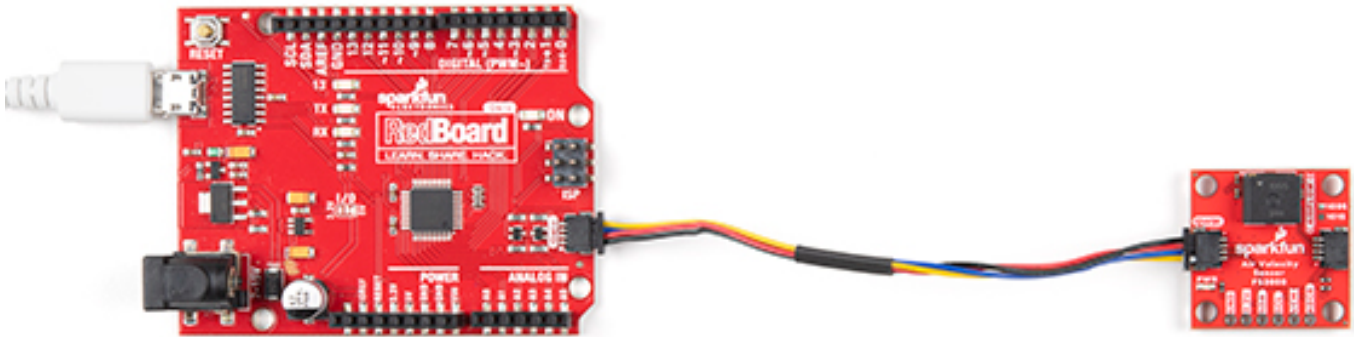
This device utilizes a MEMS thermopile-based sensor, features a digital output with 12-bit resolution and comprises a “solid” thermal isolation technology and silicon carbide coating to protect it from abrasive wear and water condensation. Other applications include figuring out how fast RC airplanes are going. The SparkFun FS3000 air velocity sensor breakout helps with that and more. It's super easy, super quick (Qwiic!) to hook up, and fun to play with.

Note: The SparkFun Qwiic Connect System is an ecosystem of I²C sensors, actuators, shields and cables that make prototyping faster and less prone to error. All Qwiic-enabled boards use a common 1mm pitch, 4-pin JST connector. This reduces the amount of required PCB space, and polarized connections mean you can't hook it up wrong.

Features

- I²C address: 0x28
- Air flow speed: 0 to 7.23m/sec (0 to 16.17mph)
- Accuracy: 5% of full-scale flow range
- 12-bit resolution
- 2.7V to 3.3V input voltage range
- 10mA average current draw

Board Connection



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-air-velocity-sensor-breakout/>