

Battery powered Air velocity Sensor



Model: SSD014/2



SSD014/2 Sensor is a Bluetooth Low Energy device that accurately measures air velocity, temperature, and humidity, enabling smart applications to act based on real-time airflow data.

SSD014/2 offers a wide spectrum of use cases including HVAC systems, ventilation monitoring, duct airflow measurement, environmental monitoring, smart buildings, industrial sensing, and outdoor air velocity applications.

High durability and reliable performance ensure accurate measurement even in demanding environments.

Data Logger

Simply place the device at the measurement location, configure the logging interval, and leave it for days or weeks. The sensor continuously records air velocity, temperature, and humidity data, which can later be retrieved for analysis and reporting.



Flexible Measurement with External Probe

External probe prevents water ingress while allowing accurate airflow measurement.



Long Battery Life

Up to 4 years of operation using a single replaceable CR123A battery.



Data Logging & Reporting

The device stores measurement data for several weeks, allowing users to download historical data and generate reports for analysis.



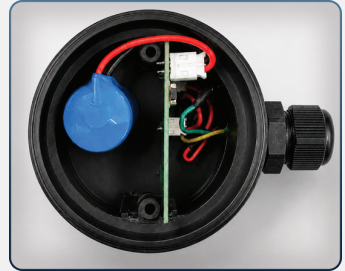
BLE Connectivity

Bluetooth Low Energy 5.2 enables wireless data transfer and easy integration.

Product Specification

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- Measured: Air velocity, Temperature, and Humidity
- Air velocity range: 1 to 30 m/sec
- Operating principle: MEMS
- Connectivity: Bluetooth Low Energy 5.2
- Power: 1 × CR123A battery
- Battery lifetime: Up to 4 years depending on usage
- Temperature range: -20 to 65 °C
- Humidity range: 0 to 100 %RH
- Dimensions: 173 × 13 mm
- Weight: 80–100 g
- Probe cable length: 1 meter
- Protection: IP67-rated, water-resistant collector unit
- Installation: External probe for flexible airflow measurement



Use Cases



HVAC system



Ventilation Systems



Duct Air Velocity



Industrial Airflow



Outdoor Air Velocity



Building Performance

