



Accurate Sensing. Smarter Monitoring.



SSD014 Sensor is a Bluetooth Low Energy device that accurately measures ambient humidity and temperature, enabling smart applications to act based on real-time environmental data.

SSD014 offers a wide spectrum of use cases including environmental monitoring, smart buildings, industrial sensing, cold-chain tracking, agriculture, storage facilities, and outdoor weather monitoring.

High durability and reliability ensure accurate performance even in harsh environments. Secure data handling and BLE connectivity allow only authorized access to sensor data.

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 environmental 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 CR-123 battery.



Data Logging & Reporting

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



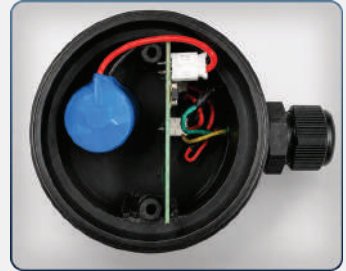
BLE Connectivity

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

Product Specification

Model : SSD014

- Measured: Ambient Humidity and Temperature
- Operating principle: CMOS Technologies
- Connectivity: Bluetooth Low Energy 5.2
- Power: 1 × CR-123 battery
- Battery lifetime: Up to 4 years (depending on usage)
- Sensor: SHT30-D
- Accuracy: $\pm 2\%$ RH, $\pm 0.5^\circ\text{C}$
- Operating temperature range: -40 to 125°C
- Dimensions: $85 \times 55 \times 35$ mm
- Weight: 80–100 g
- Probe cable length: 1 meter (Material: Copper-nickel shield)
- Protection: IP67-rated, water-resistant collector unit
- Installation: Compact enclosure for easy deployment



Use Cases



HVAC system



Cold-chain tracking



Agriculture



Outdoor monitoring



Storage facility



Industrial