Battery powered Humidity and Temperature Sensor
Model: SSD014

Smart Sensor Devices

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.

- Up to 4 years operation on a single CR123A battery (replaceable)

- Weatherproof external probe for outdoor use

Supports Bluetooth Low Energy 5.2 enabled smartphones and gateways.

Key Benefits

- **High Measurement Accuracy**
  Provides precise sensing with ±2% relative humidity and ±0.5°C temperature accuracy.
- **Long Battery Life**
  Up to 4 years of operation using a single replaceable CR123A battery.
- **Robust & Weatherproof Design**
  External probe prevents water ingress while allowing accurate airflow measurement.
- **BLE Connectivity**
  Bluetooth Low Energy 5.2 enables wireless data transfer and easy integration.
- **Data Storage Capability**
  Collector unit can store sensor data for several weeks for later download.

Smart Sensor Devices

Product Specification

Model : SSD014

- Measured: Ambient Humidity and Temperature
- Operating principle: CMOS Technologies
- Connectivity: Bluetooth Low Energy 5.2
- Power: 1 × CR123A battery
- Battery lifetime: Up to 4 years (depending on usage)
- Sensor: SHT30-D
- Accuracy: ±2% RH, ±0.5°C
- Operating temperature range: -40 to 125 °C
- Dimensions: 85 × 55 × 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

Built for Performance

Advanced CMOS-based sensing combined with BLE technology ensures reliable performance, low power consumption, and long operational life in demanding environments.

Compact Industrial Design

Durable enclosure with external probe supports discreet installation in both indoor and outdoor environments.

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