Environmental Sensor Datasheet

Product Description

The environmental sensor take into account communication distance, anti-interference, and low power consumption to ensure longer communication distance and stronger penetration capabilities and are more suitable for obstacles or indoor applications. Products are widely used in smart homes, smart commercial buildings, fresh air systems, smart breeding, smart transportation, weather stations and other environmental measurement fields.

Product Features

➢ Integrated with multiple sensors like humidity, temperature, TVOC, PM10, PM2.5, PM1.0, etc.

➢ Wireless Installation with Anti-theft Protection

➢ Low Power Consumption

➢ Compliant with standard LoRaWAN® gateways and network servers

➢ Quick and easy management with Neuron IoT Cloud

Product Dimensions   Unit: mm

12CM

12CM

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☀ Specifications

Measurement Range	Temperature: Range: -40°C ~ 80°C; Accuracy: ±0.5°C Humidity: Range: 0~100%RH; Accuracy: ±3%RH TVOC: Range: 0.00 ~ 10.00PPM; Resolution: 1PPB; Accuracy: < ±4% PM2.5 & PM1.0 & PM10: Range:0 ~ 999 µg/m3 ; Accuracy: < ±10%
Power Supply	1 3.6V lithium battery
Operating Temp.	-10°~ 50°
Operating Humidity	15~ 90%RH (non-condensing)
Output Signal	LoRaWAN
Network Mode	OTAA
Dimensions	12cm*12cm*4.2cm
Shell Material	ABS