

WIFI Smart Temperature and Humidity Sensor

Description

The WIFI Temperature and Humidity Sensor is a device that communicates wirelessly via WIFI, enabling real-time data transmission to a backend server for remote monitoring. This sensor does not require additional wired network connections.



Features

- Supports modification of key sensor parameters and calibration of temperature and humidity data
- Supports multi-user access, allowing users to view temperature and humidity data from all monitoring points
- Supports historical data export
- High measurement accuracy, wide measurement range, and good data consistency
- Other language versions can be provided upon request

Application

With an IP55-rated waterproof and dustproof industrial design, this sensor is suitable for workshops, cold chain logistics, archives, shopping malls, laboratories, offices, data centers, warehouses, and other environments.

Specification

Item	Specification
Power Supply	5V-12V DC
Communication Method	WIFI
Power Consumption	≤1W
Temperature Range	-20 °C to 80 °C
Recommended Operating Environment	5 °C to 60 °C and 20% RH to 80% RH for optimal measurement performance
Temperature Accuracy	±0.5 °C

Temperature Resolution	0.1 °C
Humidity Range	0-100% RH
Humidity Accuracy	±5% RH
Humidity Resolution	0.1% RH
WIFI Standard	802.11 b/g/n WIFI @2.4 GHz
Waterproof Rating	IP55
Dimensions	36mm×64mm×75mm

Monitoring Interface (PC Software)

温湿度测量仪(V:1.0.0.0) 深圳太辰光通信股份有限公司

温湿度传感监视器

> 10:09:51 串口COM1正常关闭!
> 10:09:53 配置参数保存成功。

参数修改 网络设置 数据监控

停止监控

● 安全温度/湿度 ● 一级报警 ● 二级报警

设备名称	温度(°C)	湿度(%RH)
XX站3室	● 30.3	● 67.0
YY站	● 35.3	● 67.2
XX站01室	● 35.2	● 69.1
XX站04室	● 35.1	● 61.6
XX站XX室		