

The CMS3303 Temperature & Humidity Monitor is a New Device for Real-time Measurement of Environmental Temperature & Humidity. It Allows Users to Set Customized Temperature & Humidity Thresholds, Providing Real-time Alerts for Exceedances to Enable Tailored Environmental Monitoring. This Product Features Online Network Monitoring, Utilizing the Most Reliable and Real-time Industrial-Grade 485 Bus or Industrial-Grade Wireless Communication Technology Prevalent in Modern Industry. It can Transmit the Monitor's Working Status in Real-Time to a Computer Client via Data Bus for Data Storage & Analysis.



Wired: 1.5.01.00.0031 Wireless: 1.5.01.00.0035

Function Introduction

◆ Temperature & Humidity Measurement

Temperature Measurement: Performs Real-time Measurement & Display of Temperature within the device's Working Area.
 Humidity Measurement: Performs Real-time Measurement & Display of Humidity within the device's Working Area.

◆ Communication & Networking Function (Compatible with THS, CMS, RTS2000)

Connection to RTS2000 System: Supports RS485 & Wireless Communication When Used Within a Local Area Network (LAN); Connection to RTS System: Supports Internet-Based Systems Like THS, CMS, & RTS That Require External Network Access.

◆ Display & Indication

Power-On Interface: Standard BFN Logo; Working Interface: Directly Displays Operating Status & Real-time Data during Normal Operation: A. Operating Status, B. Temperature, C. Humidity; Abnormal Interface: Prominent Alert Method.

◆ Buzzer Alarm

Built-in Buzzer Sounds an Alert When Temperature or Humidity Exceeds Limits; Supports Connection to an External Alarm Light for Visual Management Requirements in Workshops.

◆ Local Storage

Utilizes Serial Flash Memory for Cyclic Data Storage, Ensuring Data is Saved Locally During Communication Interruptions.

◆ Factory Reset

Allows Restoration to Factory Default Settings.

◆ Sensor Interface

Default Interface for Connecting External Temperature & Humidity Sensors.

Application Scope

Suitable for Clean Rooms in Production Facilities Such as Electronics Manufacturing, Medical & Pharmaceutical, Semiconductor, Optical or Precision Machining, Plastics, Spray Painting, Hospitals, Environmental Protection, Testing Laboratories, & Food Processing.

Product Parameters

Power Supply	DC 12V	Power Consumption	600mA
Communication	Supports RS485, Wireless Communication	Weight	380g
Backup Power	Network Cable 5V	Dimensions	L108mm*D117.5mm*H38.5mm
Temperature	Measurement Range: -20°C ~ 80°C, Error: ±1°C (at 25°C), Display Resolution: 0.01°C		
Humidity	Measurement Range: 0~99.99%, Error: ±5%RH (at 25°C), Display Resolution: 0.01%RH		
Operating Environment	Temperature: 0°C ~ 50°C; Relative Humidity: 0% ~ 85%RH; Indoor Use Only		