

## Differential Pressure Online Monitor

The CMS3302 Differential Pressure Monitor is a New Device for Real-Time Measurement of Environmental Differential Pressure. It can be Configured to Customer-Defined Differential Pressure Limits and Provides Real-Time Alerts When Thresholds are Exceeded, Enabling Customized Environmental Monitoring. This Product Features Online Network Monitoring, Utilizing the Highly Reliable and Real-Time Industrial-Grade 485 Bus Protocol. It Transmits the Monitor's Operational Status in Real-Time to Computer Clients Via the Data Bus, Enabling Data Storage and Data Analysis.



Wired: 1.5.01.00.0139    Wireless: 1.5.01.00.0140

### Function Introduction

◆ **Differential Pressure Measurement**

Monitors Indoor-Outdoor Differential Pressure in Real-Time.

◆ **Communication & Networking Function (Compatible with CMS Protocol)**

Integrates with CMS Systems; Supports RS485 and Wireless Communication Protocol Interfaces.

◆ **Display & Indication**

Boot Screen: Standard "BEN"; Working Screen: Displays Operational Status and Real-Time Data Directly During Normal Operation. A. Shows Operational Status, B. Displays Differential Pressure; Abnormal Screen: Prominent Alert Method.

◆ **Buzzer Alarm**

Built-in Buzzer Sounds an Alert When Indoor-Outdoor Differential Pressure Exceeds Limits; Supports External Alarm Lights for Visual Requirements in Workshops.

◆ **Local Storage**

Uses Serial Flash for Cyclic Data Storage, Ensuring Data is Stored Locally During Communication Interruptions.

◆ **Factory Reset**

Supports Factory Reset Operation.

### Application Scope

Suitable for Clean Rooms in Industries Such as Semiconductor, Optics, Medical Laboratories, Hospital Negative Pressure Wards, Food Processing, Etc.

### Product Parameters

Power Supply	DC 12V
Communication	Supports RS485, Wireless Communication
Backup Power	5V via Network Cable
Power Consumption	600mA
Error Range	±3%
Resolution	0.1 pa
Measurement Range	-20~500pa
Operating Environment	Temperature: -20°C ~ 60°C; Relative Humidity: 0% ~ 100% RH; Indoor Use
Weight	380g
Dimensions	L108mm*D117.5mm*H38.5mm