

CMS3329 is an Air Environment Multi-Element Monitor, Used for Detecting Various Elements in the Air Environment, Including Temperature, Humidity, PM2.5, PM10, TSP, Atmospheric Pressure, Light, Noise, Odor, TVOC, CO<sub>2</sub>, Formaldehyde, O<sub>3</sub>, CO, CH<sub>4</sub>, O<sub>2</sub>, SO<sub>2</sub>, NO<sub>2</sub>, H<sub>2</sub>, H<sub>2</sub>S, NH<sub>3</sub>, Smoke, And More. It Basically Covers All Indicators Reflecting Air Quality. It Uses Original Imported Sensors and Control Chips, Featuring High Resolution and Good Stability. The Device Uses a Wide-Voltage DC 10-30V Power Supply, RS485 Signal Output, Standard ModBus-RTU Communication Protocol. The ModBus Address is Configurable, And the Baud Rate is Changeable, With a Maximum Communication Distance of 2000 Meters. This Product is Widely Used in Places Such as Building HVAC, Building Energy Efficiency, Smart Homes, Schools, Hospitals, Airports, And Stations.



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**Product Features**

- ◆ Integrates Multiple Measurement Elements; Up to 14 Measurement Elements can be Integrated Simultaneously.
- ◆ Uses a Circular Curved Surface Housing; Can be Ceiling-Mounted or Wall-Mounted With the Provided Base.
- ◆ Uses a Dedicated 485 Circuit for Stable Communication; 10~30V Wide Voltage Range Power Supply.

**Product Parameters**

| Product Model  | BFN-CMS3329   |
|--|---|
| DC Power Supply (Default)                                  | DC 10-30V   |
| Max Power Consumption (14 Elements Incl. CH <sub>4</sub> ) | 1.5W (24V DC power supply)  |
| Detection Parameters                                       | Temperature, Humidity, PM2.5, PM10, TSP, Atmospheric Pressure, Light, Noise, Odor, TVOC, CO <sub>2</sub> , Formaldehyde, O <sub>3</sub> , CO, CH <sub>4</sub> , O <sub>2</sub> , SO <sub>2</sub> , NO <sub>2</sub> , H <sub>2</sub> , H <sub>2</sub> S, NH <sub>3</sub> , Smoke |
| Operating Environment                                      | Temperature: -10°C~55°C; Humidity: 0~95%RH (non-condensing)<br>TSP element: Temperature: -10°C~55°C; Humidity: 0~70%RH  |
| Signal Output  | RS485 Output (Standard ModBus-RTU Protocol)   |
| Product Material   | ABS   |
| Installation Method  | Wall-Mounted, Ceiling-Mounted   |