

BFN-CMS3325 TVOC Online Monitor

With the Development of the Construction Industry, Indoor Environmental Pollution Caused by Indoor Decoration has Received Increasing Attention. TVOC is One of the Three Organic Pollutants in the Air (Polycyclic Aromatic Hydrocarbons, Volatile Organic Compounds, And Aldehydes) With a More Severe Impact. VOC Refers to Organic Compounds With a Saturated Vapor Pressure Exceeding 133.32 Pa at Room Temperature and a Boiling Point Between 50°C and 250°C. They Exist in the Air in Evaporated Form at Normal Temperatures. Their Toxicity, Irritation, Carcinogenicity, And Characteristic Odor Can Affect the Skin and Mucous Membranes, Causing Significant Harm to the Human Body. This Product is Widely Used in Industrial Production, Indoor Air Quality Monitoring, Environmental Protection and Ecological Monitoring, As Well as Outdoor Air Quality Monitoring Scenarios.



Product Features

- ◆ Equipped With Imported High-Sensitivity Gas Detection Probes, Mature Technology, And High-Performance Signal Acquisition Circuitry for Stable Signals and High Accuracy.
- ◆ 485 Communication Interface Standard ModBus-RTU Communication Protocol, Address and Baud Rate Configurable, Communication Distance up to 2000 Meters.
- ◆ The Product Uses a Wall-Mounted Waterproof Enclosure for Easy Installation and High Protection Level.

Product Parameters

Product Model	BFN-CMS3325
DC Power Supply (Default)	DC 10-30V
Maximum Power Consumption	0.5W
Operating Environment	-40°C~+80°C, 0%RH~95%RH Non-Condensing
TVOC Measurement Range	0~60000ppb
Measurement Target	Volatile Organic Compounds
TVOC Display Resolution	1ppb
Data Refresh Time	1s
TVOC Measurement Accuracy	8%FS (@C ₂ H ₆ O, 0.5ppm, 25°C, 50%RH)
Output Signal	RS485 (ModBus Protocol)
Installation Method	Wall-Mounted Installation
Warm-Up Time	≤24h

* All Above Specifications and Parameters are Measured Under Environmental Conditions: Temperature 20°C, Relative Humidity 50%RH, 1 Atmosphere Pressure, And Target Gas Concentration not Exceeding the Sensor Range.