

BFN-CMS3318 Ozone Online Monitor

CMS3318 Ozone Concentration Monitor is Widely Used for Water Disinfection, Food Processing Purification, Food Storage Preservation, Medical Health, And Family Disinfection Purification. In Ozone Applications, a Certain Concentration of Ozone is an Important Parameter to Ensure Disinfection Effect, Save Energy, And Prevent Pollution. However, Excessive Ozone Concentration in the Environment Can Harm Human Health, So Effective Monitoring of Ozone Concentration is Very Necessary. This Product Uses Electrochemical Technology for O₃ Concentration Measurement, Responding Quickly And Sensitive to Reliably Detect Ozone Concentration. It Uses 485 Communication With Standard ModBus-RTU Communication Protocol; Communication Address and Baud Rate Can Be Set, With a Maximum Communication Distance of 2000 Meters. The Device Operates on 10-30V Wide Voltage Power Supply, Features High Shell Protection Rating, And Can Adapt to Various Harsh On-Site Conditions. This Product Can Be Widely Applied in Environments Such as Food Processing Workshops, Medical Pharmaceutical Workshops, And Hospital Special Wards.



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Product Features

- ◆ Equipped With Imported High-Sensitivity Gas Detection Probe From USA and Uses High-Performance Signal Acquisition Circuit, Able to Precisely Measure Ppm Level O₃ Concentration With Stable Signal and High Accuracy.
- ◆ The Product Uses Wall-Mounted Waterproof Housing, Easy to Install With High Protection Rating.

Product Parameters

Product Model	BFN-CMS3318		
Power Supply	10~30V DC	Data Update Time	1s
Average Power Consumption	0.1W	Repeatability	≤2%
Output Signal	485(ModBus-RTU)	Stability	≤7% Signal Value/Year
Temperature Range	-40°C~80°C	Response & Warm-Up Time	≤180s, ≥5min
Temperature Accuracy	±0.5°C (25°C)		
Humidity Range	0~100%RH	Resolution	Range 0~10ppm: 0.01ppm Range 0~100ppm: 1ppm
Humidity Accuracy	±3%RH (60%RH,25°C)		
Ozone Range	0~10.00ppm, 0~100ppm	Accuracy	0~10ppm: ±6%FS (@5ppm, 25°C, 50%RH) 0~100ppm, ±6%FS (@50ppm, 25°C, 50%RH)
Operating Temperature	Temp -10°C~55°C		
Operating Humidity	Humidity 15%RH~90%RH (Non-Condensing)	Zero Drift	±1%FS
Operating Pressure	91~111kPa		

* 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.