

Due to Animal Excrement Producing Significant Amounts Ammonia Gas Over Time, Precise Detection Gas Concentration Becomes Necessary Prevent Accidents During Manual Operations. Places Like Pesticide Manufacturing Plants, Chemical Plants, Fertilizer Plants, Where Ammonia Produced, Also Require Real-Time Concentration Detection Control. BFN-CMS3321 Ammonia Monitor Uses Imported First-Tier Brand Ammonia Sensor, Features Fast Response, High Sensitivity, Strong Anti-Interference Capability. Combined With Company's Exclusive Compensation Algorithm Multi-Stage Calibration Standard Gases, It Also Offers Long Lifespan, High Accuracy, High Repeatability, High Stability. This Product Widely Used Agriculture Greenhouses, Livestock Farms, Pesticide Manufacturing Plants, Chemical Plants Requiring Real-Time Ammonia Monitoring Control.



**Product Features**

- ◆ High Measurement Accuracy, Up Within ±8%, Repeatability Up Within 2%.
- ◆ 485 Communication Interface Standard ModBus-RTU Communication Protocol, Address and Baud Rate Configurable, Communication Distance up to 2000 Meters.
- ◆ Optional High-Quality OLED Display, On-Site Direct Reading Values, Clear Display Night.
- ◆ On-Site Power Supply 10~30V DC Wide Voltage, Adaptable Various DC Power Sources.
- ◆ Product Uses Wall-Mounted Waterproof Enclosure, Easy Installation, High Protection Level Suitable Harsh On-Site Environments.

**Product Parameters**

Product Model	BFN-CMS3321		
Power Supply	10~30V DC	Temperature Accuracy	±0.5°C (25°C)
Output Signal	485	Humidity Accuracy	±3%RH (60%RH,25°C)
Operating Environment	-20~50°C, 15~90%RH Non-Condensing	Temperature Range	-40°C~+80°C
Pressure Range	90~110kPa	Humidity Range	0~100%RH
Stability	≤2% Signal Value/Month	Service Life	≥12 Months
Response Time	50, 100ppm, 1000ppm: ≤90s, 500ppm: ≤25s		
Resolution	0~50 ppm: 0.1 ppm, 0~100/0~500/0~1000 ppm: 1 ppm		
Zero Drift (-20~40°C)	0~50 ppm (High Accuracy): ≤±2 ppm, 0~100 ppm (High Accuracy): ≤±2 ppm 0~1000 ppm (High Accuracy): ≤±2 ppm, 0~500 ppm: ≤±15 ppm		

\* 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.