

## BFN-CMS3322 Hydrogen Online Monitor

The CMS3322 Hydrogen Monitor Adopts Imported First-Tier Brand Electrochemical Hydrogen Sensor, Featuring Rapid Response, High Sensitivity, And Strong Anti-Interference Capability. Through Our Company's Unique Compensation Algorithm And Multi-Stage Standard Gas Calibration, It Also Exhibits Long Lifespan, High Precision, High Repeatability, And High Stability. This Product is Widely Used in Industrial Production, Laboratories, Dangerous Goods Transportation, And Other Scenarios.



### Product Features

- ◆ High Measurement Accuracy, Up to  $\pm 5\%$ FS, Repeatability up to 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 For Direct On-Site Value Viewing, Clear Display Even at Night.
- ◆ On-Site Power Supply Uses 10~30V DC High Voltage, Adaptable to Various On-Site DC Power Sources.
- ◆ Product Adopts Wall-Mounted Waterproof Enclosure, Easy Installation, High Protection Level Suitable For Harsh On-Site Environments.

### Product Parameters

Product Model	BFN-CMS3322		
Power Supply	10~30V DC	Stability	$\leq 2\%$ signal value/month
Output Signal	485	Response Time	1000ppm: $\leq 70s$ 40000ppm: $\leq 60s$
Power Consumption	0.9W		
Temperature Range	$-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$	Warm-up Time	$\geq 5\text{min}$
Humidity Range	0~100%RH	Zero Drift	1000ppm: $\leq \pm 10\text{ppm}$ 40000ppm: $\leq \pm 20\text{ppm}$
Temperature Accuracy	$\pm 0.5^{\circ}\text{C}$ (25 $^{\circ}\text{C}$ )		
Humidity Accuracy	$\pm 3\%$ RH (60%RH, 25 $^{\circ}\text{C}$ )	Repeatability	$\leq 2\%$
Operating Temperature	$-20 \sim 50^{\circ}\text{C}$	Service Life	$\geq 24$ months
Operating Humidity	15~90%RH Non-Condensing	Accuracy	$\pm 5\%$ FS
Pressure Range	90~110kPa	Resolution	1ppm

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