

## BFN-CMS3328 Methane Online Monitor

The CMS3328 Methane Monitor Employs a Sensor with an Explosion-Proof Rating of ExdIMb, Featuring Strong Safety, Fast Response Speed, And High Resistance to Interference. Calibrated with Multiple Segments of Standard Gas and Our Company's Unique Compensation Algorithm, It Also Boasts Long Life, High Accuracy, High Repeatability, And High Stability. This Product is Widely Used in Locations Requiring Real-time Methane Concentration Monitoring, Such as Underground Utility Tunnels, Underground Parking Lots, Public Toilets, Garages, Workshops, Chemical Plants, And Greenhouse Farms.



### Product Features

- ◆ Range 0-100% LEL, Other Ranges can be Customized.
- ◆ High Measurement Accuracy, Within  $\pm 5\%$  FS; Repeatability 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 Allows On-Site Viewing of Values, Clear Display Even at Night.
- ◆ On-Site Power Supply Uses 10-30V DC High Voltage, Adaptable to Various DC Power Sources.
- ◆ Product Uses a Wall-Mounted Waterproof Enclosure for Easy Installation; High Protection Rating Suitable for Harsh On-Site Environments.

### Product Parameters

Product Model	BFN-CMS3328		
Power Supply	10~30V DC	Operating Environment	Temperature -20~40°C, Humidity 0~95%RH Non-Condensing
Output Signal	485	Methane Zero Drift	$\pm 2\%$ FS
Power Consumption	0.9W	Resolution	1%LEL
Pressure Range	80~116kPa	Range	Temp: -40°C~+80°C
Stability	<7% Signal/Year		Humidity: 0~100% RH
Repeatability	$\leq 2\%$		Methane: 0~100% LEL
Response Time	$\leq 15s$	Accuracy	Temp: $\pm 0.5^\circ\text{C}$ (@25°C)
Warm-Up Time	$\geq 5\text{min}$		Humidity: $\pm 3\%$ RH (@60%RH, 25°C)
Service Life	$\geq 24$ Months		$\pm$ Methane: $\pm 5\%$ FS, in environments not less than 5% VOL

\* 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.

\* Note: The Usage and Storage Environment Must not Contain Hydrogen Sulfide (H<sub>2</sub>S) Gas, Silicone Vapors, Or Paint Volatiles, As These Will Affect Component Sensitivity. This Product Also Cannot be Used in Oxygen-Free Environments; Oxygen Concentration Must Not be Below 5% VOL.