

BFN-CMS3319 Ultraviolet Online Monitor

CMS3319 is an Ultraviolet Light Intensity Monitor. This Product Based on Principle Photoelectric Element Converts Ultraviolet Light Measurable Electrical Signal, Achieves Online Ultraviolet Monitoring. Circuit Uses Imported American Industrial-Grade Microprocessor Chip, Imported High-Precision Ultraviolet Sensor, Ensures Product Excellent Reliability, High Precision. Product Integrates Temperature Humidity Sensor Into One, Measurement Data More Comprehensive. Product Outputs 485 Signal (Standard Modbus-RTU Protocol), Communication Distance up 2000 Meters, Supports Secondary Development. Product Enclosure Wall-Mounted High Protection Level Enclosure, Protection Level IP65, Rain Snow Proof. This Product Can Widely Applied Environmental Monitoring, Meteorological Monitoring, Agriculture, Forestry Environments. Measures Ultraviolet Ambient Atmosphere Artificial Light Sources.



Product Features

- ◆ Uses High-Sensitivity Ultraviolet Measurement Device 240~370nm, Accurately Measures Ultraviolet Intensity.
- ◆ Viewing Window Uses High-Quality Light-Transmitting Material, Ultraviolet Transmittance Exceeds 98%, Avoids Problem Low Ultraviolet Measurement Values Caused Absorption Traditional PMMA PC Materials Ultraviolet Light.
- ◆ Wall-Mounted Waterproof Enclosure, High Protection Level, Can Long-Term Used Outdoor Rain Snow Environments.
- ◆ 10~30V DC Wide Voltage Power Supply.

Product Parameters

Product Model	BFN-CMS3319		
UV Intensity Range	0~15mW/cm ² , 0~450μW/cm ²	Max. Power Consumption	0.1W
Long-Term Stability	Temperature ≤0.1°C/y	DC Power Supply	10-30VDC
	Temperature ≤0.1%/y		Typical Accuracy
Response Time	Temperature ≤18s (1m/s Wind Speed)	Humidity ±3%RH (60%RH, 25°C)	
	Humidity ≤6s (1m/s Wind Speed)	Temperature ±0.5°C (25°C)	
Resolution	0.01 mW/cm ² (Range 0~15 mW/cm ²), 1μW/cm ² (Range 0~450 μW/cm ²)		
UV Index Range	0~15 (UV Intensity Range 0~450 μW/cm ² Or No Parameter)		
Measurement Wavelength Range	Wavelength 240~370 nm		
Temp/Humidity Range (Optional)	-40°C~+80°C, 0%RH~100%RH		
Circuit Operating Temp/Humidity	-40°C~+60°C, 0%RH~95%RH (Non-Condensing)		

* Above Performance Data Obtained Under Test Conditions Using Calibrated Testing Systems Software. Although This Product Highly Reliable, Recommend Checking Equipment Function Normal Parameters Meet Standard Before Use, Ensure Does Not Affect Field Use.