Case: Probest PCM200-NH3N Ammonia Nitrogen Water Quality Online Automatic Monitor in East-South Asia

Probest PCM200-NH3N Ammonia Nitrogen Online Analyzer realizes continuous 24h real-time monitoring of ammonia nitrogen in wastewater. Modbus RS485 output, stable performance, suitable for sewage treatment plants, industrial wastewater discharge monitoring.

PCM200-NH3N Ammonia Nitrogen Water Quality Online Automatic Monitor

Manufacturer: Fuzhou Probest Intelligent Technology Co., Ltd.

The PCM200-NH3N Ammonia Nitrogen Water Quality Online Automatic Monitor is a professional continuous online analytical instrument independently developed by Probest. It is designed for real-time, long-term unattended monitoring of ammonia nitrogen (NH3-N), a core pollution indicator in water bodies.

Ammonia nitrogen is one of the key control parameters for wastewater discharge, surface water environmental supervision and sewage treatment process control. Our online ammonia nitrogen monitor automatically completes sampling, reagent addition, reaction, detection and data calculation. It can operate continuously 24/7 and upload measurement data remotely, helping environmental protection departments and factories achieve standardized emission monitoring.

Core Technical Specifications

- Model: PCM200-NH3N
- Measuring Range: 0–300mg/L (customizable range available)
- Power Supply: AC 220V ±10%
- Rated Power: 200W
- Signal Output: Modbus RS485
- Working Temperature: 5 ~ 40℃
- Relative Humidity: ⩽85%
- Operation: 7-inch touch screen for parameter setting, data check & alarm viewing

Product Advantages

✅ High measuring precision, strong anti-interference capacity, stable operation under complex wastewater conditions

✅ Low reagent consumption, effectively reducing daily operation and maintenance costs

✅ Intelligent fault self-diagnosis function, automatic alarm for abnormal status

✅ Standard Modbus RS485 communication, easy to connect with PLC, SCADA and environmental monitoring platform

✅ Integrated cabinet design, convenient installation, suitable for indoor monitoring stations

✅ CEP certified, meets environmental online monitoring standards

Typical Application Fields

- Municipal wastewater treatment plants
- Industrial factory wastewater discharge outlets
- Surface water environmental monitoring stations
- Petrochemical, printing & dyeing, food processing wastewater monitoring
- Aquaculture water quality supervision

We also supply a full series of PCM200 online water quality analyzers: COD, Total Phosphorus(TP), Total Nitrogen(TN), Nitrite, etc. One-stop water quality monitoring solution support is available.

Contact us to get quotation and technical datasheet.




Fuzhou Probest Intelligent Technology
Ammonia Nitrogen Water Quality Online Automatic Monitor
Voltage
AC 220V±10%
Rated Power
200W
Working Temp.
5-40°C
MOUDBUS RS485
Relative Humidity
≤85%
175501130011
Date
2025/06
Fujian, China


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Model No.
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SN
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Date
2025/06
Add
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