
- **Three groups of relay control switches**
- **Upper limit, lower limit, hysteresis value control**
- **4-20mA & RS485 multiple output methods**
- **The same interface displays ion concentration, temperature, current, etc.**
- **Password protection can be set to prevent unauthorized personnel from making mistakes.**

# W8587 Ammonia Nitrogen Monitor

The industrial online ammonia nitrogen monitor is an online water quality monitoring and control instrument with a microprocessor. This instrument is equipped with various types of ion electrodes and is widely used in power plants, petrochemicals, metallurgy electronics, mining, papermaking, biological fermentation engineering, medicine, food and beverage, environmental protection water treatment, etc. It continuously monitors and controls the ion concentration values of water solutions.

## Instrument features:

- **Large LCD screen liquid crystal display**
- **Intelligent menu operation**
- **Historical data recording**
- **Various automatic calibration functions**
- **Differential signal measurement mode, stable and reliable**
- **Manual and automatic temperature compensation**

## Technical specification

（1）Measurement range (depending on electrode range):
Ion concentration: 0.02 - 18000 mg/L
(Solution pH value: 4 - 10 pH);
Temperature: -10 - 150.0℃;
(2) Resolution:
Concentration: 0.01/0.1/1 mg/L;
Temperature: 0.1℃;
(3) Basic error:
Concentration: ±5 - 10% (depending on electrode range);
Temperature: ±0.3℃;
(4) 2-channel current output:
0/4 - 20 mA (load resistance < 750Ω);
20 - 4 mA (load resistance < 750Ω);
(5) Communication output: RS485 MODBUS RTU;
(6) Three groups of relay control contacts:
5A 250VAC, 5A 30VDC;
(7) Power supply (optional):
85 - 265VAC ± 10%, 50 ± 1Hz, power ≤ 3W;
9 - 36VDC, power: ≤ 3W;

(8) External dimensions: 235 * 185 * 120 mm;

(9) Installation method: wall-mounted;

(10) Protection level: IP65;

（11）Instrument weight: 1.2 kg;

(12) Instrument operating environment:

Environmental temperature: -10 to 60℃;

Relative humidity: no more than 90%;

There is no strong magnetic field interference around except for the Earth's magnetic field.