W8587S Ammonia Nitrogen Monitor

The Online Ammonia Nitrogen Monitor is a microprocessor-based water quality online monitoring and control instrument. Equipped with various types of ion electrodes, it is widely used in power plants, metallurgical electronics, papermaking, bioprocessing, pharmaceuticals, food and beverage, and environmental water treatment. It continuously monitors and controls the ionic concentration values in aqueous solutions.

Instrument Features:：

●Large LCD display

●Intuitive menu navigation

●Historical data logging

●Multiple automatic calibration functions

●Differential signal measurement mode for stable and reliable performance

●Manual and automatic temperature compensation

●Three sets of relay control switches

●High limit, low limit, and hysteresis control

●4-20mA & RS485 multiple output options

●Simultaneous display of ion concentration, temperature, current, etc.

●Password protection configurable to prevent unauthorized operation

Specifications:：

(1) Measurement Range (Based on Electrode Range):
Ion Concentration (NH_4^+): 0.02–18,000 mg/L (Solution pH: 4–10 pH);
Compensation Ion Concentration (K^+): 0.04–39,000 mg/L
(Solution pH: 2–12 pH);
Temperature: -10 to 150.0°C;
(2) Resolution:
Concentration: 0.01/0.1/1 mg/L;
Temperature: 0.1°C;
(3) Basic Error:
Concentration: ±5-10% (based on electrode range);
Temperature: ±0.3°C;
(4) Dual Current Output:
0/4–20mA (load resistance <750Ω);
20–4mA (load resistance <750Ω);
(5) Communication Output: RS485 MODBUS RTU;
(6) Three Sets of Relay Control Contacts:
5A 250VAC, 5A 30VDC;
(7) Power Supply (Optional):
85–265 VAC ±10%, 50±1 Hz, Power ≤3 W;
9–36 VDC, Power: ≤3 W;
(8) Dimensions: 235 × 185 × 120 mm;
(9) Mounting Method: Wall-mounted;
(10) Protection Rating: IP65;
(11) Instrument Weight: 1.2kg;
(12) Instrument Operating Environment:
Ambient Temperature: -10 to 60°C;
Relative Humidity: ≤90%;
No strong magnetic field interference except for the Earth's magnetic field.