W8287 Ammonia Nitrogen Monitor

The industrial online ion 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, and environmental water treatment. It continuously monitors and controls the ion concentration values of water solutions.

Instrument features:

- **LCD liquid crystal display**
- **Intelligent menu operation**
- **Multiple automatic calibration functions**
- **Differential signal measurement mode, stable and reliable**
- **Manual and automatic temperature compensation**
- **Two sets of relay control switches**
- **High limit, low limit, and hysteresis value control**
- **It displays the ion concentration, temperature, current, etc. on the interface.**
- **It also has password protection to prevent unauthorized personnel from making mistakes.**

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) 1-channel current output (optional 2 channels):

0/4 - 20 mA (load resistance < 750Ω);

20 - 4 mA (load resistance < 750Ω);

(5) Communication output: RS485 MODBUS RTU;

(6) Two sets of relay control contacts:

3A 250VAC, 3A 30VDC;

(7) Power supply (optional):

85 - 265VAC ± 10%, 50 ± 1Hz, power ≤ 3W;

9 - 36VDC, power: ≤ 3W;

(8) Dimensions: 98 × 98 × 130 mm;

(9) Installation method: panel type, wall-mounted type;

Panel opening size: 92.5 × 92.5 mm;

(10) Protection level: IP65;

(11) Instrument weight: 0.6 kg;

(12) Instrument working environment:

Environmental temperature: -10 - 60℃;

Relative humidity: no more than 90%;

No strong magnetic field interference except the Earth's magnetic field.