- **Differential signal measurement mode, stable and reliable**
- **Manual and automatic temperature compensation**
- **Three sets of relay control switches**
- **High limit, low limit, and hysteresis value control**
- **4-20mA & RS485 multiple output methods**
- **Display of ion concentration, temperature, current, etc. on the same interface**
- **Password protection can be set to prevent unauthorized personnel from making mistakes**

T6015S 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.

Characteristics of the instrument:

- **Large LCD color liquid crystal display**
- **Intelligent menu operation**
- **Data recording & curve display**
- **Multiple automatic calibration functions**

Technical specification

（1）Measurement range (based on electrode range):

Ion concentration (NH4+): 0.02 - 18000 mg/L (Solution pH value: 4 - 10 pH);

Compensated ion concentration (K+): 0.04 - 39000 mg/L (Solution pH value: 2 - 12 pH);

Temperature: -10 - 150.0℃;

(2) Resolution:

Concentration: 0.01/0.1/1 mg/L;

Temperature: 0.1℃;

(3) Basic error:

Concentration: ±5 - 10% (based 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 sets of relay control contacts:

5A 250VAC, 5A 30VDC;

(7) Power supply (optional):

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

9 - 36 VDC, power: ≤ 3W;

(8) External dimensions: 144 × 144 × 118 mm;

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

Panel opening size: 137 × 137 mm;

(10) Protection level: IP65;

(11) Instrument weight: 0.8 kg;

(12) Instrument working environment:

Environmental temperature: -10 - 60℃;

Relative humidity: no more than 90%;

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