- **Manual and automatic temperature compensation**
- **Three groups of relay control switches**
- **High limit, low limit, and hysteresis value control**
- **Multiple output methods including 4-20mA and RS485**
- **Displays ion concentration, temperature, current, etc. on the same interface**
- **Password setting for protection against unauthorized operation by non-staff members**

T6515S Ammonia nitrogen monitor

The online ammonia-nitrogen monitor for the ammonia industry is a water quality online monitoring and control instrument equipped with a microprocessor. This instrument is configured 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 color liquid crystal display**
- **Intelligent menu operation**
- **Data recording & curve display**
- **Various automatic calibration functions**
- **Differential signal measurement mode, stable and reliable**

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: 235 * 185 * 120 mm;

(9) Installation method: wall-mounted;

(10) Protection level: IP65;

(11) Instrument weight: 1.2 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.