T4015 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.

仪表特点：

- **LCD color 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**
- **Upper limit, lower limit, hysteresis value control**
- **4-20mA & RS485 multiple output methods**
- **Displays ion concentration, temperature, current, etc. on the same interface**
- **Password protection can be set to prevent unauthorized personnel from making mistakes**

technical specification

(1) Measurement range (based 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% (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) Two groups of relay control contacts:
3A 250VAC, 3A 30VDC;
(7) Power supply (optional):
85 - 265VAC ± 10%, 50 ± 1Hz, power ≤ 3W;
9 - 36VDC, power: ≤ 3W;
(8) External 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 for the Earth's magnetic field.