



T6010CL Chloride ion 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:

- Large LCD color liquid crystal display
- Intelligent menu operation
- Data recording & curve display
- Various automatic calibration functions
- Differential signal measurement mode, stable and reliable
- Manual and automatic temperature

compensation

- Three groups of relay control switches
- High limit, low limit, and hysteresis value control
- 4-20mA & RS485 multiple output methods
- 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 (based on electrode range):

Concentration: 1.8 – 35500 mg/L;

(Solution pH value: 2 – 12 pH)

Temperature: -10 – 150.0°C;

(2) Resolution:

Concentration: 0.01/0.1/1 mg/L;

Temperature: 0.1°C;

(3) Basic error:

Concentration: $\pm 5 - 10\%$ (based on electrode range);

Temperature: $\pm 0.3^\circ\text{C}$;

(4) 2-channel current output:

0/4 – 20 mA (load resistance $< 750\ \Omega$);

20 – 4 mA (load resistance $< 750\ \Omega$);

(5) Communication output: RS485 MODBUS RTU;

(6) Three groups of relay control contacts:

5A 250VAC, 5A 30VDC;

(7) Power supply (optional):

85 – 265VAC $\pm 10\%$, 50 $\pm 1\text{Hz}$, power $\leq 3\text{W}$;

9 - 36VDC, power: $\leq 3\text{W}$;

(8) External dimensions: $144 \times 144 \times 118 \text{ mm}$;

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

Panel opening size: $137 \times 137 \text{ mm}$;

(10) Protection level: IP65;

(11) Instrument weight: 0.8 kg;

(12) Instrument working environment:

Environmental temperature: $-10 - 60^{\circ}\text{C}$;

Relative humidity: no more than 90%;

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