



- 4-20mA & RS485 multiple output methods
- Display of ion concentration, temperature, current, etc. on the same interface
- It also has password protection to prevent unauthorized personnel from making mistakes

Technical specification

T4010CL 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:

- LCD color liquid crystal screen 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, hysteresis value control

(1) Measurement range (depending 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: $\pm 5 - 10\%$ (depending 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) Two groups of relay control contacts: 3A 250VAC, 3A 30VDC;

(7) Power supply (optional):

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

9 – 36 VDC, power: $\leq 3\text{W}$;

(8) External dimensions: 98 \times 98 \times

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

Relative humidity: no more than 90%;

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