



T6200

Multi-parameter Online Water Quality Monitor (pH / ORP – ClO₂)



The T6200 is a microprocessor-based multi-parameter online water quality monitor operating with a pH (or ORP) sensor and a chlorine dioxide sensor on two independent channels. It is widely used in power plants, petrochemicals, metallurgy, electronics, mining, papermaking, bio-fermentation, pharmaceuticals, food and beverage, environmental water treatment, aquaculture and modern agriculture, providing continuous monitoring and control of the pH value, chlorine dioxide concentration and temperature of aqueous solutions.

INSTRUMENT FEATURES

- Single-chip microprocessor: pH / ClO₂ measurement, temperature measurement and compensation
- Dual high-impedance preamplifiers — noise-proof, strong anti-interference capability
- Multiple calibration methods: multi-point and known-concentration calibration
- Menu-driven human-machine interface with on-screen prompts
- Multi-parameter display on one screen: pH / ClO₂, temperature and working status
- Two output signals, software-selectable 4–20 mA, 0–20 mA or 20–4 mA
- Freely settable high / low alarm limits with over-limit alarm prompts
- Three sets of relay control switches with adjustable hysteresis range
- Automatic sensor cleaning control via relay (duration, interval and mode configurable)
- Data logging up to 800,000 records & trend curve display
- Self-set password to prevent unauthorised operation

TECHNICAL PARAMETERS

1. pH (depending on sensor range)

Measuring range	-2.00 ~ 16.00 pH
Unit	pH
Resolution	0.01 pH
Accuracy	±0.01 pH

2. ORP (depending on sensor range)

Measuring range	-2000 ~ +2000 mV
Unit	mV
Resolution	1 mV
Accuracy	±2 mV

3. Chlorine Dioxide (depending on sensor range)

Measuring range	0 ~ 20.00 mg/L (ppm)
Units	mg/L, ppm
Resolution	0.01 mg/L; 0.01 ppm
Accuracy	±1 % F.S.
Response time	90 % in less than 90 s

4. Temperature (depending on sensor range)

Measuring range	-10 ~ 150.0 °C
Resolution	0.1 °C
Accuracy	±0.3 °C

5. Current Output (2 groups)

0/4 ~ 20 mA, 20 ~ 4 mA
Load resistance < 750 Ω

6. Communication Output

RS485 MODBUS RTU

7. Relay Control Contacts (3 groups)

5 A 250 VAC, 5 A 30 VDC

8. Power Supply (optional, choose one)

85 ~ 265 VAC or 9 ~ 36 VDC
Power < 3 W

9. Dimensions

144 × 144 × 118 mm

10. Installation Method

Panel-mount (flush), wall-mount, pipe-mount
Panel cut-out: 137 × 137 mm

11. Protection Rating

IP65

12. Weight

0.8 kg

13. Operating Environment

Ambient temperature	-10 ~ 60 °C
Relative humidity	≤ 90 %

The instrument and sensor cable must be kept away from strong sources of electromagnetic interference such as variable-frequency drives, motors, contactors and welding equipment