



SC6000CLO2

Online Chlorine Dioxide (ClO_2) Monitor



The SC6000CLO2 Industrial Online Chlorine Dioxide Monitor is a microprocessor-based water quality monitoring and control instrument. It is widely used in drinking water treatment plants, drinking water distribution networks, swimming pools, water treatment engineering, wastewater treatment, water disinfection and other industrial processes, for continuous monitoring and control of chlorine dioxide concentrations in aqueous solutions.

INSTRUMENT FEATURES

- Large colour LCD screen display
- Intelligent menu operation
- Data logging & curve display
- Multiple automatic calibration functions
- Three sets of relay control switches
- High limit, low limit and hysteresis control
- 4–20 mA & RS485 multiple output options
- Simultaneous on-screen display of chlorine dioxide value, current value, etc.
- Password protection to prevent unauthorised operation

TECHNICAL PARAMETERS

1. Measurement Range (according to sensor range)

Chlorine dioxide	0 – 20.00 mg/L (ppm)
Temperature	-10 to 150.0 °C

2. Resolution

Chlorine dioxide	0.01 mg/L
Temperature	0.1 °C

3. Accuracy

Chlorine dioxide	±1 % F.S.
Temperature	±0.3 °C

4. Response Time

90 % response in less than 90 seconds

5. Current Output (2 channels)

0/4 – 20 mA (load resistance < 750 Ω)
20 – 4 mA (load resistance < 750 Ω)

6. Communication Output

RS485 MODBUS RTU

7. Relay Control Contacts (3 sets)

5 A 250 VAC, 5 A 30 VDC

8. Power Supply (optional)

85 – 265 VAC ±10 %, 50 Hz ±1 Hz, power ≤ 3 W
9 – 36 VDC, power ≤ 3 W

9. Dimensions

144 × 144 × 118 mm

10. Installation Method

Panel-mount, wall-mount, pipeline-mount
Panel cut-out: 137 × 137 mm

11. Protection Rating

IP65

12. Weight

0.8 kg

13. Operating Environment

Ambient temperature	-10 to 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