



## Disinfection fluid Monitor Series

### Online Residual Chlorine Meter T6050

#### Function

Online residual chlorine meter is a microprocessor-based water quality online monitoring control instrument.

#### Typical Use

This instrument is widely used in online monitoring of water supply, tap water, rural drinking water, circulating water, washing film water, disinfectant water, pool water. and other industrial processes. It continuous monitoring and control residual chlorine and temperature value in aqueous solution.

#### Mains Supply

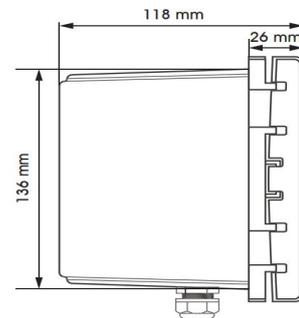
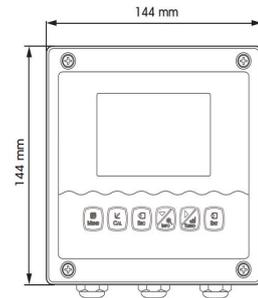
85~265VAC±10%,50±1Hz, power ≤3W;

9~36VDC, power consumption≤3W;

#### Measuring Range

Residual Chlorine: 0~20ppm; 0~20mg/L;

Temperature: 0~150℃.



# Online Residual Chlorine Meter T6050

## Features

1. Large display, standard 485 communication, with online and offline alarm, 144\*144\*118mm meter size, 138\*138mm hole size, 4.3 inch large screen display.

2. The data curve recording function is installed, the machine replaces the manual meter reading, and the query range is arbitrarily specified, so that the data is no longer lost.

3. Historical curve: The residual chlorine measurement data can be stored automatically every 5 minutes, and the residual chlorine value can be stored continuously for a month. Provide "history curve" display and "fixed point" query function on the same screen.

4. Built-in various measurement functions, one machine with multiple functions, meeting the requirements of various measurement standards.

5. The design of the whole machine is waterproof and dustproof, and the back cover of the connection terminal is added to extend the service life in harsh environments.

6. Panel/wall/pipe installation, three options are available to meet various industrial site installation requirements.



Measurement Mode



Calibration Mode



Trend Chart Display

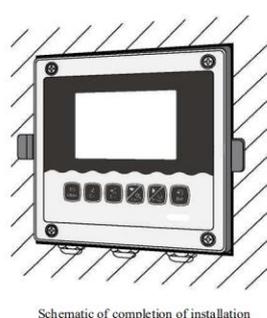


Setting mode

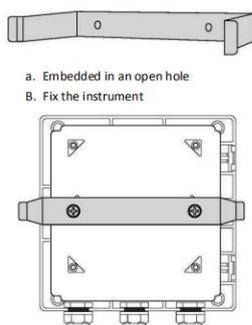
## Electrical connections

Electrical connection The connection between the instrument and the sensor: the power supply, output signal, relay alarm contact and the connection between the sensor and the instrument are all inside the instrument. The length of the lead wire for the fixed electrode is usually 5-10 meters, and the corresponding label or color on the sensor Insert the wire into the corresponding terminal inside the instrument and tighten it.

## Instrument installation method



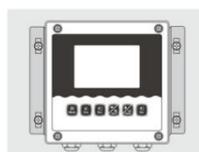
Schematic of completion of installation



- a. Embedded in an open hole  
B. Fix the instrument

Embedded installation

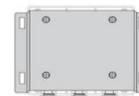
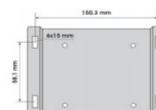
Instrument installation: Wall mounted installation



Schematic of completion of installation



- A. Install a mounting bracket for the instrument  
B. Wall screw fixation  
Top view of mounting bracket  
Pay attention to installation direction



Wall mount

## Technical specifications

|                              |  |
|------------------------------|--|
| Measurement range            | 0.005~20.00mg/L ; 0.005~20.00ppm   |
| Measurement unit             | Potentiometric method  |
| Resolution                   | 0.001mg/L ; 0.001ppm   |
| Basic error                  | ±1%F.S   |
| Temperature                  | -10~150.0°C( Based on sensor)  |
| Temperature Resolution       | 0.1°C  |
| Temperature Basic error      | ±0.3°C   |
| Current output               | 2 groups: 4~20mA   |
| Signal output                | RS485 Modbus RTU   |
| Other functions              | Data record &Curve display   |
| Three relay control contacts | 3 groups:5A 250VAC,5A 30VDC  |
| Optional power supply        | 85~265VAC,9~36VDC,power consumption≤3W                                     |
| Working conditions           | No strong magnetic field interference around except the geomagnetic field. |
| Working temperature          | -10~60°C   |
| Relative humidity            | ≤90%   |
| Waterproof rating            | IP65   |
| Weight                       | 0.8kg  |
| Dimensions                   | 144×144×118mm  |
| Installation opening size    | 138×138mm  |
| Installation methods         | Panel & wall mounted or pipeline   |

## CS5530 Residual Chlorine Sensor



|                                    |  |
|------------------------------------|--|
| <b>Model No.</b>                   | <b>CS5530</b>                                  |
| <b>Measurement method</b>          | Tri-electrode method                           |
| <b>Measure material</b>            | Double liquid junction,annular liquid junction |
| <b>Housing material/Dimensions</b> | PP, Glass, 120mm*Φ 12.7mm                      |
| <b>Waterproof grade</b>            | IP68   |
| <b>Measurement range</b>           | 0 - 20.00 mg/L                                 |
| <b>Accuracy</b>                    | ±0.05mg/L;                                     |
| <b>Pressure resistance</b>         | ≤0.3Mpa  |
| <b>Temperature compensation</b>    | None or Customize NTC10K                       |
| <b>Temperature range</b>           | 0-50℃  |
| <b>Calibration</b>                 | Sample calibration                             |
| <b>Connection methods</b>          | 4 core cable                                   |
| <b>Cable length</b>                | Standard 5m cable, can be extended to 100m     |
| <b>Installation thread</b>         | PG13.5   |
| <b>Application</b>                 | Tap water, disinfectant fluid, etc.            |