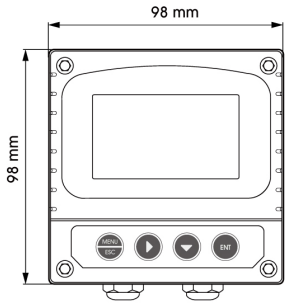
Online Dissolved Oxygen Meter T4040

Function

Industrial online dissolved oxygen meter is an online water quality monitor and control instrument with microprocessor. The instrument is equipped with different types of dissolved oxygen sensors. It is widely used in power plants, petrochemical industry, metallurgical electronics, mining, paper industry, food and beverage industry, environmental protection water treatment, aquaculture and other industries. The dissolved oxygen value and temperature value of water solution are continuously monitored and controlled.

Typical Use

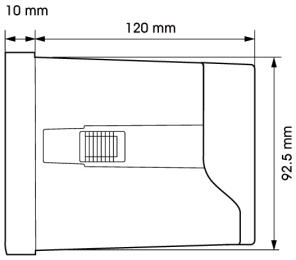
This instrument is a special instrument for detecting oxygen content in liquids in environmental protection sewage related industries. It has the characteristics of fast response, stability, reliability, and low use cost, widely used in large-scale water plants, aeration tanks, aquaculture, and sewage treatment plants.



Mains Supply

85~265VAC±10%,50±1Hz, power ≤3W;

9~36VDC, power consumption≤3W;



Measuring Range

Dissolved Oxygen: 0~20mg/L, 0~200%;

Customizable measuring range, displayed in ppm unit.

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Features

1. Large display, standard 485 communication, with online and offline alarm, 98*98*130 meter size, 92.5*92.5 hole size, 3.0 inch large screen display.

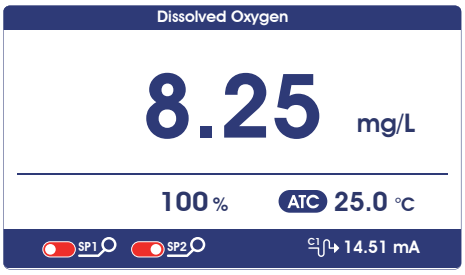
2. The default English parameter settings, the function description is concise and clear, in line with most people's operating habits, and provide convenience for operators.

3. Carefully select materials and strictly select each circuit component, which greatly improves the stability of the circuit during long-term operation.

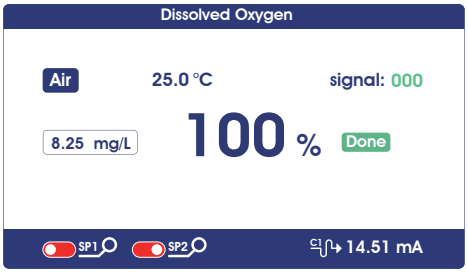
4. The new choke inductance of the power board can effectively reduce the influence of electromagnetic interference, and the data is more stable.

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.

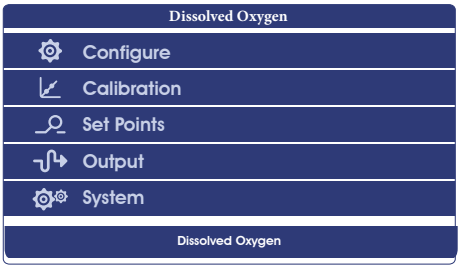
6. Panel/wall/pipe installation, three options are available to meet various industrial site installation requirements.



Measurement mode



Calibration mode



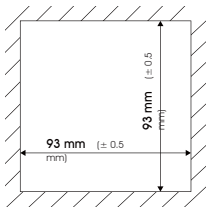
Setting mode

Electrical connections

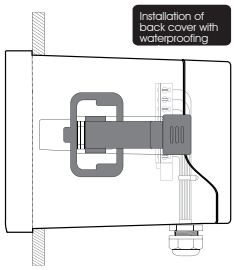
Electrical connection The connection between the instrument and the sensor: the power supply, output signal, relay alarm contact and the connection between the sensor and the instrument are all inside the instrument. The length of the lead wire for the fixed electrode is usually 5-10 meters, and the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

Instrument installation method

Embedded installation

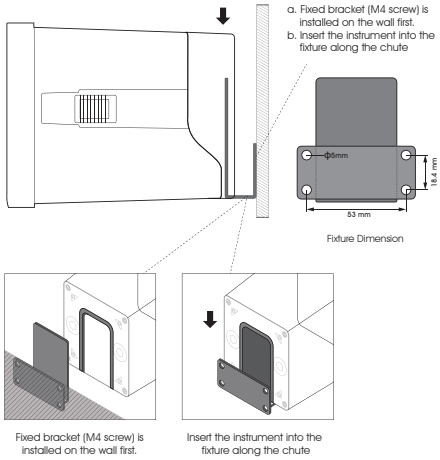


Insert mounting hole size



Insert the instrument into the square hole and fix it with the collocated clip.

Wall mounting



Technical specifications

Measurement range	0~20.00mg/L; 0~200.0%
Measurement unit	mg/L; %
Resolution	0.01mg/L; 0.1%
Basic error	±1%F.S
Temperature	-10~150℃
Temperature Resolution	0.1℃
Temperature Basic error	±0.3℃
Current Output	4~20mA,20~4mA,(load resistance<750Ω)
Communication output	RS485 MODBUS RTU
Relay control contacts	5A 240VAC,5A 28VDC or 120VAC
Power supply (optional)	85~265VAC,9~36VDC,power consumption≤3W
Working conditions	No strong magnetic field interference around except the geomagnetic field.
Working temperature	-10~60℃
Relative humidity	≤90%
IP rate	IP65
Instrument Weight	0.6kg
Instrument Dimensions	98×98×130mm
Mounting hole dimensions	92.5*92.5mm
Installation methods	Panel,Wall mounted,pipeline

CS4571-VP Dissolved oxygen electrode for high temperature fermentation

Measurement of dissolved oxygen：

Appropriate oxygen content is very important in processing processes in the fields of biotechnology, drug development, food and beverages, and chemical manufacturing. The control of dissolved oxygen will ultimately ensure product quality, reduce costs and maximize product qualification rate.

Electrochemical oxygen sensor：

A complete range of polarographic sensors meets the highest performance requirements of various industries and is suitable for most fields. They all use the company's unique technology.

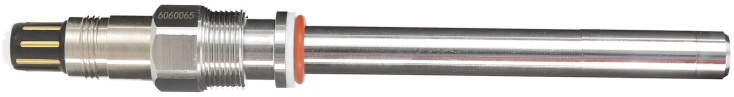
Dissolved oxygen electrode characteristics：

The DO sensor has stability and fast response time for high-precision oxygen measurement.

CS4571-VP
Polarographic high-concentration oxygen measurement with high accuracy, reliability and cleanliness.
The drift is small, the response is fast, the polarization time is short, the maintenance cycle is long, and the use cost is greatly reduced.

BROCHURE

Dissolved Oxygen Sensor



Model No.	**CS4571-VP**
Measuring Mode	Polarography
Housing Material	SS316L
Waterproof Rating	IP68
Measuring Range	Dissolved oxygen:(0~20.0)mg/L, 0~100ug/L Temperature:0~130.0℃
Accuracy	±1%F.S
Pressure Range	≤0.6Mpa
Temperature Compensation	PT1000
Temperature Range	0-130℃
Calibration	Anaerobic water calibration and air calibration
Connection Methods	6 core cable
Cable Length	Standard 10m cable, can be extended
Installation Thread	12*120mm
Application	Fermentation tanks, biotechnology, pharmaceutical industry, food and beverage technology, sugar making, starch slurry, etc.