

Online Dissolved Oxygen Meter T4042 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

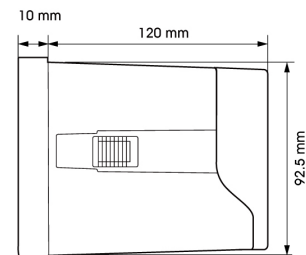
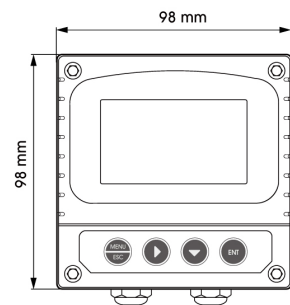
85~265VAC±10%,50±1Hz, power ≤3W;

9~36VDC, power consumption≤3W;

Measuring Range

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

Customizable measuring range, displayed in ppb unit.

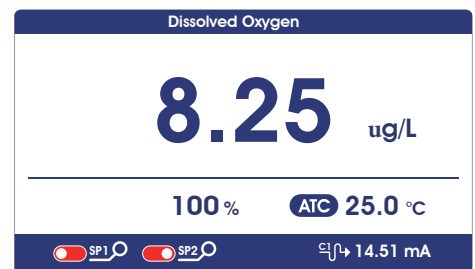


92.5 mm

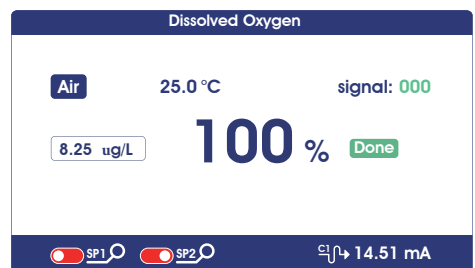
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Features

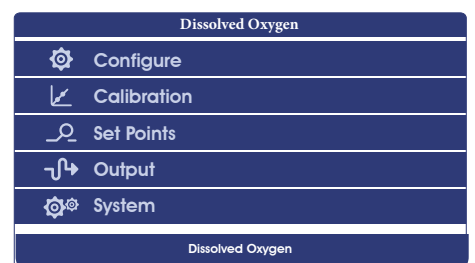
1. Large display, standard 485 communication, with online and offline alarm, 98*98*130 meter size, 92.5*92.5 hole size, 3.0 inch large screen display.
2. The default English parameter settings, the function description is concise and clear, in line with most people's operating habits, and provide convenience 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

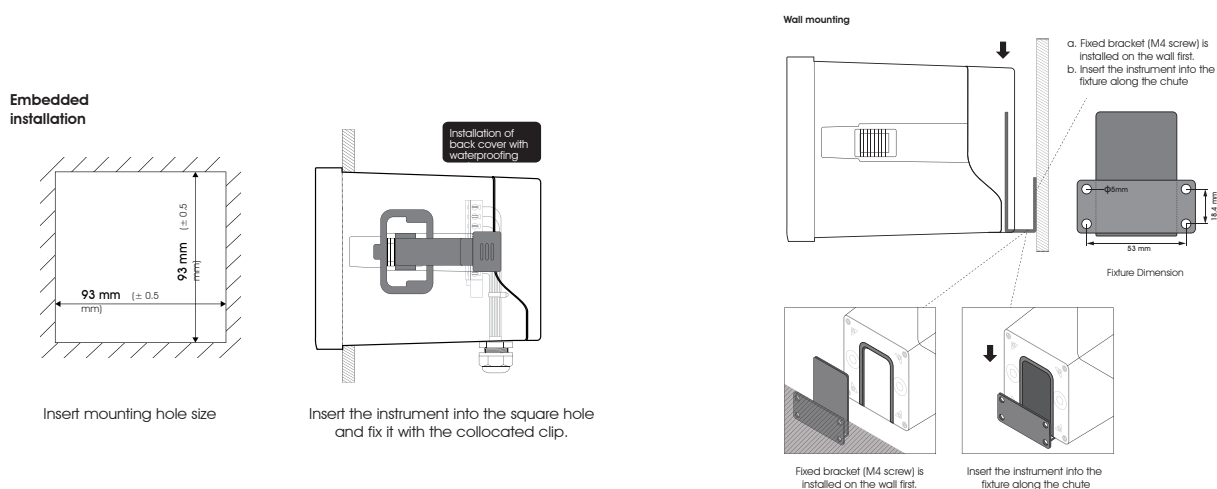


Setting mode

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



Technical specifications

Measurement range	0~200ug/L; 0~20mg/L
Measurement unit	ug/L; mg/L
Resolution	0.01ug/L; 0.01mg/L
Basic error	±1%F.S
Temperature	-10~150°C
Temperature Resolution	0.1°C
Temperature Basic error	±0.3°C
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°C
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

Dissolved Oxygen Sensor



Model No.	CS4800
Measuring Mode	Polarography
Housing Material	316 Stainless steel
Waterproof Rating	IP68
Measuring Range	0-200ug/L, 0-20mg/L
Accuracy	±1%F.S
PressureRange	≤0.3Mpa
Temperature Compensation	NTC10K
Temperature Range	0-80°C
Calibration	Anaerobic Water Calibration and Air Calibration
Connection Methods	4 core cable
Cable Length	Standard 5m cable, can be extended
Installation Thread	Compaction Style
Application	Power plant, boiler water, etc