Online pH&DO Dual Channel Transmitter T6200

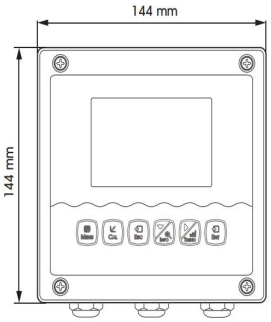
Function

Industrial on-line PH/DO transmitter is an on-line water quality dual channel monitoring and control instrument with microprocessor.

The pH (acid, alkalinity) DO value and temperature value of aqueous solution were continuously monitored and controlled.

Typical Use

The instrument is equipped with different types of pH sensors. Widely used in power plants, petrochemical industry, metallurgical electronics, mining, paper industry, biological fermentation engineering, medicine, food and beverage, environmental protection water treatment, aquaculture, modern agricultural planting and other industries.



Mains Supply

85~265VAC±10%,50±1Hz, power ≤3W;

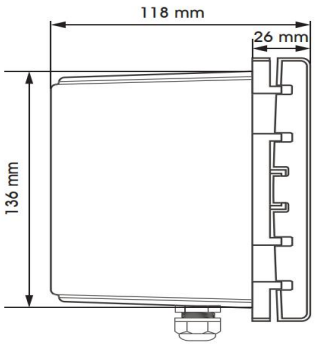
9~36VDC, power consumption≤3W;

Measuring Range

pH: -2～16.00pH;

Dissolved Oxygen: 0-20mg/L;

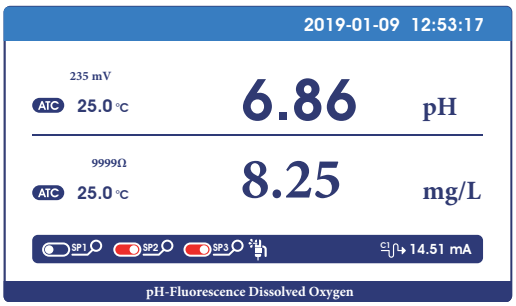
Tempreature: -10～150.0℃;



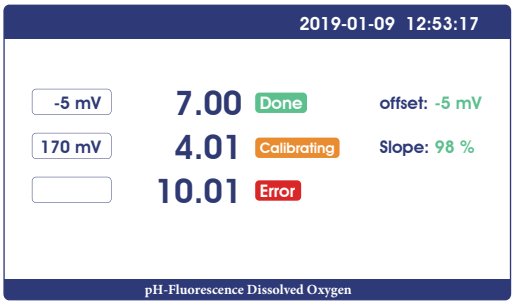
Online pH/DO Transmitter T6200

Features

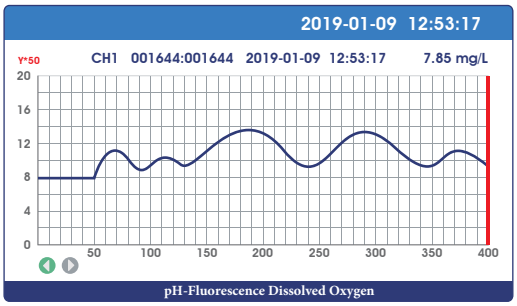
1. Large display, standard 485 communication, with online and offline alarm, 144*144*118mm meter size, 138*138mm hole size, 4.3 inch large screen display.
2. Intelligent menu operation
3. Multiple automatic calibration
4. Differential signal measurement mode, stable and reliable
5. Manual and automatic temperature compensation
6. Three relay control switches
7. 4-20mA & RS485,Multiple output modes
8. Multi parameter display simultaneously shows – pH/DO, Temp, current,etc.
9. Password protection to prevent misoperation by non-staff.
10. The matching installation accessories make the installation of the controller in complex working conditions more stable and reliable.
11. High & low alarm and hysteresis control. Various alarm outputs. In addition to the standard two-way normally open contact design, the option of normally closed contacts is also added to make the dosing control more targeted.
12. The 3-terminal waterproof sealing joint effectively prevents water vapor from entering, and isolates the input, output and power supply, and the stability is greatly improved. High resilience silicone keys, easy to use, can use combination keys, easier to operate.
13. The outer shell is coated with protective metal paint, and safety capacitors are added to the power board, which improves the strong magnetic anti-interference ability of industrial field equipment. The shell is made of PPS material for more corrosion resistance. The sealed and waterproof back cover can effectively prevent water vapor from entering, dustproof, waterproof, and corrosion-proof, which greatly improves the protection capability of the whole machine.



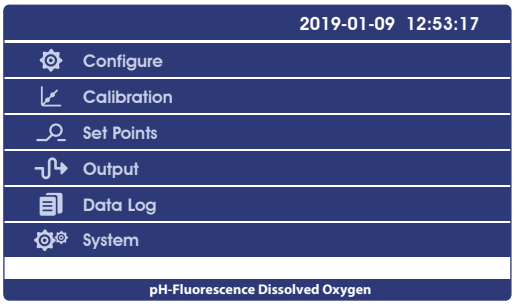
Measurement mode



Calibration mode



Trend chart

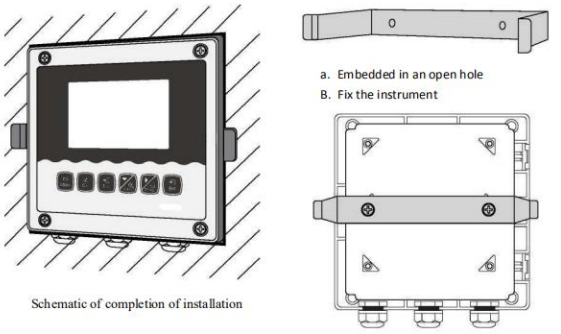


Setting mode

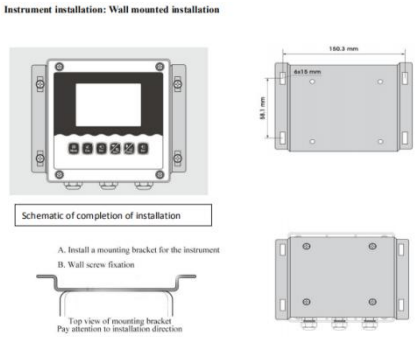
Electrical connections

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



Wall mount

Technical specifications

Measuring range	pH:-2~16pH; DO: 0-20mg/L
Unit	pH, mg/L
Resolution	pH:0.01pH; 0.01mg/L
Basic error	pH:±0.1pH; ±0.1mg/L
Temperature	-10~150.0°C(Depend on the Sensor)
Temp. resolution	0.1°C
Temp. accuracy	±0.3°C
Temp. compensation	0~150.0°C
Temp. compensation	Manual or automatic
Stability	pH:≤0.01pH/24h;
Current outputs	Two 4~20mA,20~4mA,0~20mA
Signal output	RS485 MODBUS RTU
Other functions	Data record &Curve display
Three relay control contacts	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

CS1753 pH Sensor

Model No.	**CS1753**
Measure material	PP+GF
pH zero point	7.00±0.25pH
Reference system	Ag/AgCl/KCl
Electrolyte solution	3.3M KCl
Membrane resistance	<500MΩ
Housing material	PP
Liquid junction	SNEX
Waterproof grade	IP68
Measurement range	0-14pH
Accuracy	±0.05pH
Pressure resistance	≤0.6Mpa
Temperature compensation	NTC10K,PT100,PT1000 (Optional)
Temperature range	0-80℃
Calibration	Sample calibration, standard liquid calibration
Double Junction	Yes
Cable length	Standard 5m cable, can be extended to 100m
Installation thread	NPT3/4”
Application	Common water quality

Digital Dissolved Oxygen Sensor

Introduction:

Dissolved oxygen sensor uses fluorescence measurement of dissolved oxygen, blue light emitted by the phosphor layer, a fluorescent substance is excited to emit red light, and the fluorescent substance and the concentration of oxygen is inversely proportional to the time back to the ground state. The method uses a measurement of dissolved oxygen, no oxygen consumption measurement, the data is stable, reliable performance, there is no interference, installation and calibration simple. Widely used in sewage treatment plants each process, water plants, surface water, industrial process water production and wastewater treatment, aquaculture and other industries on-line monitoring of DO.

Features:

1. The sensor uses a new type of oxygen-sensitive film with good reproducibility and stability. Breakthrough fluorescence techniques, requires virtually no maintenance.

2. Maintain prompt the user can customize the prompt message is automatically triggered.

3. Hard, fully enclosed design, improved durability.

4. Use simple, reliable, and interface instructions can reduce operational errors.

5. Set a visual warning system to provide important alarm functions.

6. Sensor convenient on-site installation, plug and play.

Technical specifications:

Model No.	**CS4760D**
Power/Output	9~36VDC/RS485 MODBUS RTU
Measuring Mode	Fluorescence method
Housing Material	POM+316LStainless steel
Waterproof Rating	IP68
Measuring Range	0-20mg/L
Accuracy	±1%F.S
Pressure Range	≤0.3Mpa
Temperature Compensation	NTC10K
Temperature Range	0-50℃
Calibration	Anaerobic Water Calibration and Air Calibration
Connection Method	4 core or 6 core cable
Cable Length	Standard 10m cable, can be extended
Installation Thread	G3/4”
Application	General application, river, lake,drink water, environment protection ,etc