

Online FCL/Turbidity Meter T6200

Function

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

The FCL, Turbidity and temperature value of aqueous solution were continuously monitored and controlled.

Typical Use

The instrument is equipped with different types of FCL and turbidity 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 \pm 10%,50 \pm 1Hz, power \leq 3W;

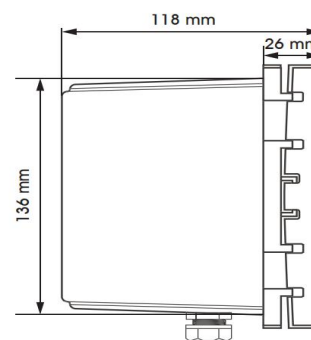
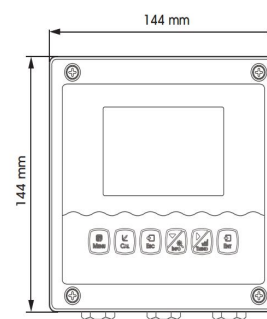
9~36VDC, power consumption \leq 3W;

Measuring Range

FCL:0-20mg/L;

Turbidity: 0-4000NTU

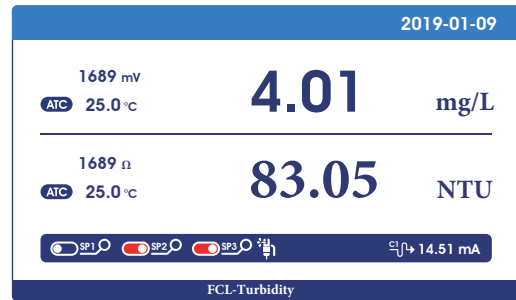
Temperature: -10~50.0℃;



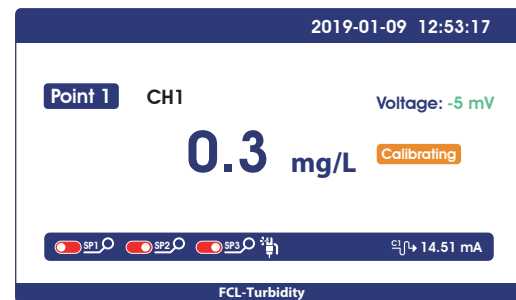
Online FCL/Turbidity Transmitter T6200

Features

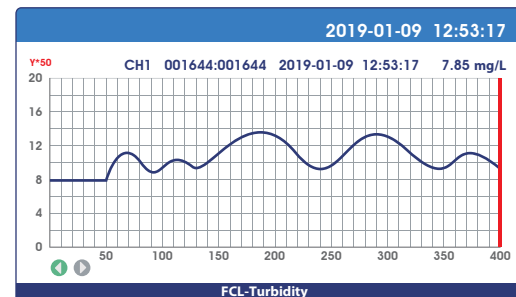
1. Large display, standard 485 communication, with online and offline alarm, 144*144*118mm meter size, 138*138mm hole size, 4.3 inch large screen display.
2. Intelligent menu operation
3. Multiple automatic calibration
4. Differential signal measurement mode, stable and reliable
5. Manual and automatic temperature compensation
6. Three relay control switches
7. 4-20mA & RS485, Multiple output modes
8. Multi parameter display simultaneously shows – FCL/ turbidity, 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.



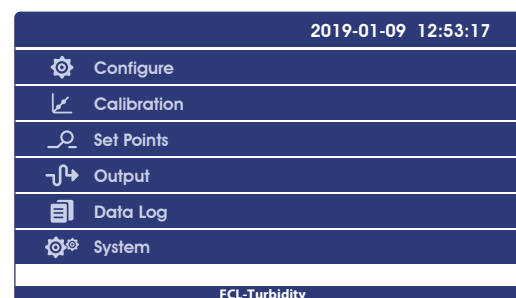
Measurement mode



Calibration mode



Trend chart

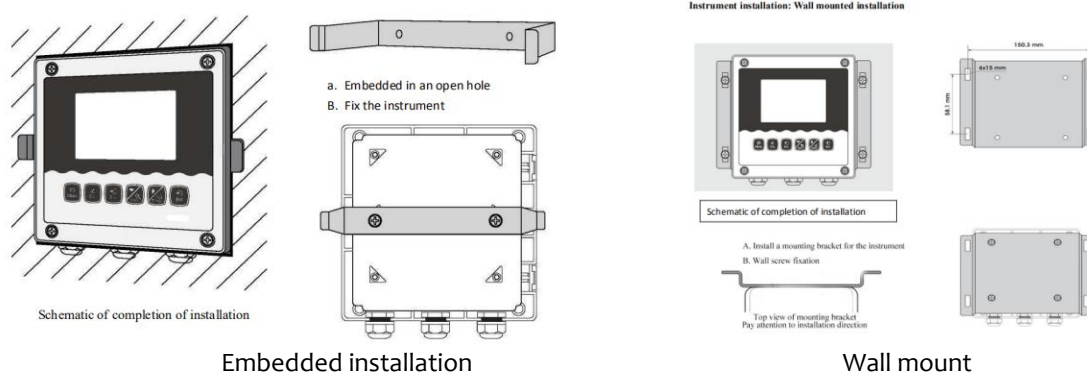


Setting mode

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



Technical specifications

Measuring range	FCL:0-20mg/L; Turbidity:0~4000NTU,
Unit	mg/L, ppm, NTU
Resolution	FCL:0.01mg/L; Turbidity:0.01NTU
Basic error	FCL:±0.1mg/L; Turbidity:±5%;
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; EC: ≤1ms/cm /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

CS5530D Digital Residual Chlorine Sensor



Model NO.	CS5530D
Power/Signal Output	9~36VDC/RS485 MODBUS RTU
Measure material	Double platinum ring/3 electrodes
Housing material	Glass+POM
Waterproof grade	IP68
Measurement range	0-20mg/L
Accuracy	$\pm 1\% \text{F.S}$
Pressure range	$\leq 0.3 \text{ Mpa}$
Temperature compensation	NTC10K
Temperature range	0-60 $^{\circ}\text{C}$
Calibration	Water sample, chlorine-free water and standard liquid
Connection methods	4 core cable
Cable length	Standard 10m cable or extended to 100m
Installation thread	PG13.5
Application	Tap water, pool water, etc

CS7920D Online Flow-through Turbidity Sensor



The principle of the turbidity sensor is based on the combined infrared absorption and scattered light method. The ISO7027 method can be used to continuously and accurately determine the turbidity value. According to ISO7027 infrared double-scattering light technology is not affected by chromaticity to determine the sludge concentration value. The self-cleaning function can be selected according to the use environment. Stable data, reliable performance; built-in self-diagnosis function to ensure accurate data; simple installation and calibration.

The electrode body is made of POM, which is corrosion-resistant and more durable. The seawater version can be plated with titanium, which also performs well under strong corrosion.

IP68 waterproof design, can be used for input measurement. Real-time online recording of Turbidity/MLSS/SS, temperature data and curves, compatible with all water quality meters of our company.

5-400NTU-2000NTU-4000NTU, a variety of measuring ranges are available, suitable for different working conditions, the measurement accuracy is less than $\pm 5\%$ of the measured value.

Typical application:

Turbidity monitoring of water from waterworks, water quality monitoring of municipal pipeline network; industrial process water quality monitoring, circulating cooling water, activated carbon filter effluent, membrane filtration effluent, etc.

Technical parameters:

Model No.	CS7920D/CS7921D/CS7930D
Power/Outlet	9~36VDC/RS485 MODBUS RTU
Measurement mode	90° IR scattered light method
Dimensions	50mm*223mm
Housing material	POM
Waterproof rating	IP68
Measurement range	5-400 NTU/2000NTU/4000NTU
Measurement accuracy	±5% or 0.5NTU, whichever is greater
Pressure resistance	≤0.3Mpa
Measuring temperature	0-45℃
Calibration	Standard liquid calibration, water sample calibration
Cable length	Standard 10m, can be extended to 100m
Thread	Flow-through
Application	General applications, municipal pipeline network; industrial process water quality monitoring, circulating cooling water, activated carbon filter effluent, membrane filtration effluent, etc.