Multi-parameter online monitor T9050

Function

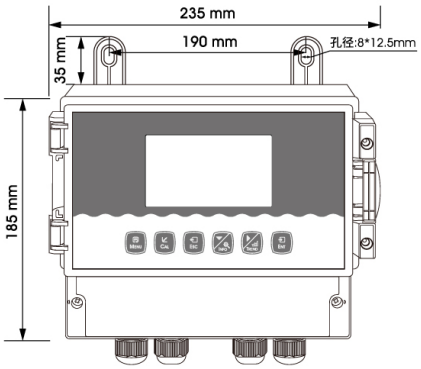
Display 7"inch color touch screen, operation interface, easy to operate
Data storage data storage, view, export function, set the storage.
Cycle output:

a: 1 channel RS485 Modbus RTU standard protocol;

b: 2 switches, program control output

(self-priming pump, automatic cleaning)

c: 5-channel 4-20mA program setting output (optional)



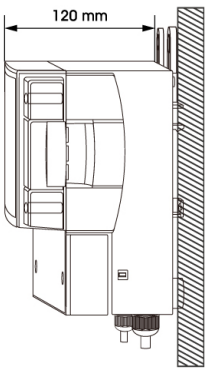
Typical Use

Based on the measurement principles of optics and electrochemistry, the water quality five-parameter online monitor can monitor temperature, pH, Conductivity/TDS/Resistivity/Salinity, TSS/Turbidity, Dissolved Oxygen, COD, NH3-N, FCL, Dissolved Ozone, Ions and other water quality items.

Mains Supply

85~265VAC±10%,50±1Hz, power ≤3W;

9~36VDC, power consumption≤3W;



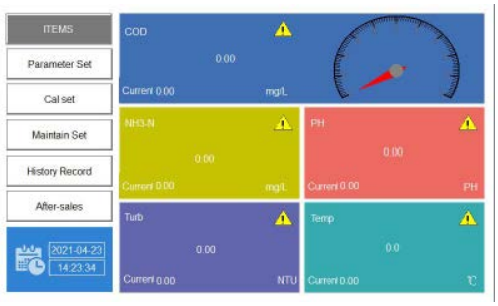
Measuring Range

pH: 0～14.00pH;
DO: 0~20mg/L;
Turbidity: 0~3000NTU;
NH4-N:0-1000mg/L;
Tempreature: -10～150.0℃.

Multi-parameter online monitor T9050

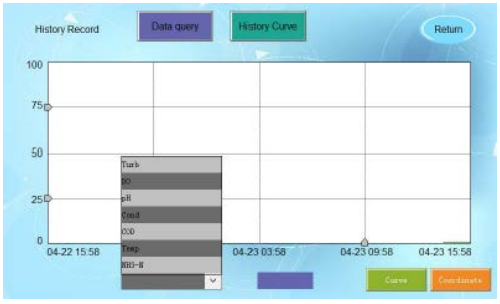
Features

1. Large display, standard 485 communication, with online and offline alarm, 235*185*120mm meter size, 7.0 inch touch screen.
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. 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/ 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 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.

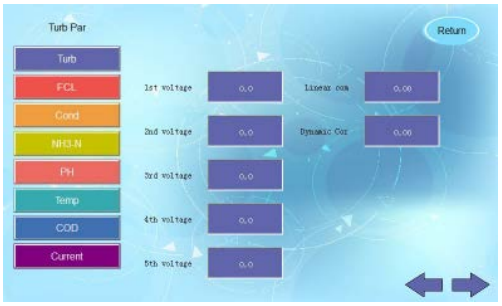


Measurement mode

General Setting



History Data

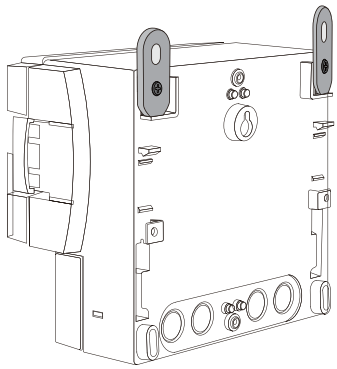


Setting mode

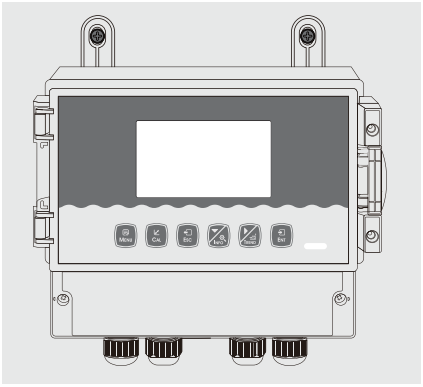
Electrical connections

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



Fix the fixed piece of the instrument



Installation completion drawing

Technical specifications

➢ Parameters

Project	Technical Parameters	Project	Technical Parameters
pH		**DO**	
Principle	Electrochemistry	Principle	Optical
Range	0~14 pH	Range	0~20mg/L ； 0~20ppm
Accuracy	±0.3pH	Accuracy	±1%
Resolution	0.01pH	Resolution	0.01mg/L
MTBF	≥1440H	MTBF	≥1440H
Turbidity		**NH4-N**	
Principle	Optical	Principle	ISE
Range	0~3000NTU	Range	0~1000mg/L
Accuracy	±5%	Accuracy	±5%
Resolution	0.1 NTU	Resolution	0.1 mg/L
Transmitter			
Dimensions	235*185*120mm	Power supply	100 ~ 240VAC or 9 ~ 36VDC
IP Grade	IP65	Power	3W ~ 5W