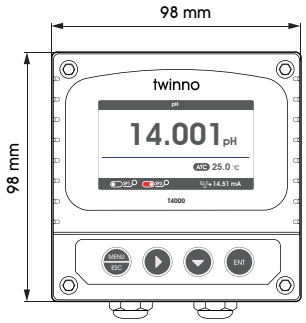
Online Ion Meter T4010

Function

Industrial online Ion meter is an online water quality monitoring and control instrument with microprocessor. It can be equipped with Ion

selective sensor of Fluoride, Chloride, Ca2+, K+, NO3-, NO2-, NH4+, etc.



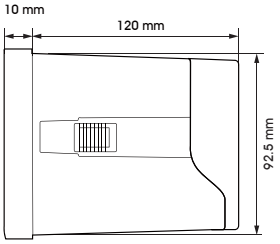
Typical Use

The instrument is widely used in industrial waste water, surface water, drinking water, sea water, and industrial process control ions on-line automatic testing and analysis, etc. Continuously monitor and control Ion concentration and temperature of aqueous solution.

Mains Supply

85~265VAC±10%,50±1Hz, power ≤3W;

9~36VDC, power consumption≤3W;



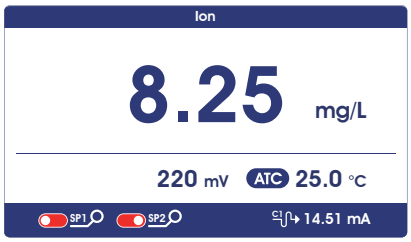
Measuring Range

Ion: 0~99999mg/L; 0~99999ppm;
Temperature: 0~150℃

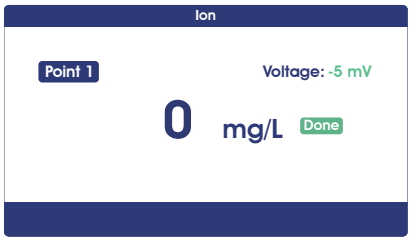
Online Ion Meter T4010

Features

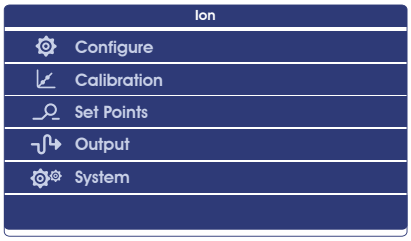
1. Color LCD display
2. Intelligent menu operation
3. Multiple automatic calibration
4. Differential signal measurement mode, stable and reliable
5. Manual and automatic temperature compensation
6. Two relay control switches
7. 4-20mA & RS485,Multiple output modes
8. Multi parameter display simultaneously shows – Ion, 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

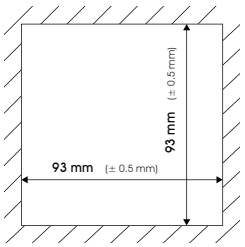


Setting mode

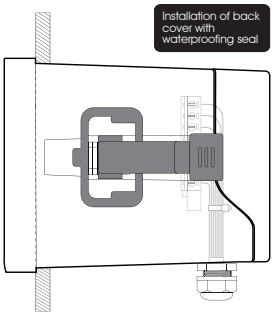
Electrical connections

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.

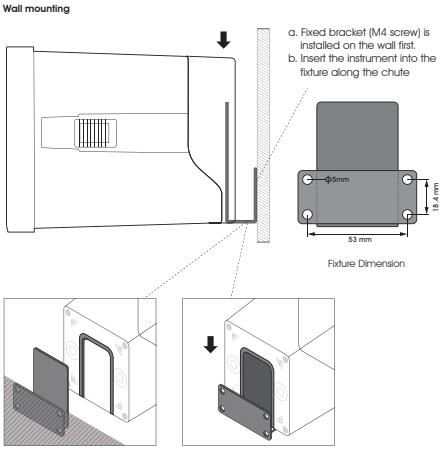
Instrument installation method



Insert mounting hole size



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



Technical specifications

Measurement range	0～99999mg/L(ppm)
Measurement Principle	Ion electrode method
Resolution	0.01mg/L(ppm)
Basic error	±2.5%
Temperature	0～50.0℃
Temperature resolution	0.1℃
Temperature accuracy	±0.3℃
Temperature compensation	0～60.0℃
Temperature compensation	Manual or automatic
Electrode residual signal	<1‰
Response time	25℃<60S; 35℃<30S (To attain 90%)
Stability	At constant pressure and temperature, the weekly drift<2%F•S;
Current output	Two:4～20mA,20～4mA,0～20mA(load resistance<750Ω)
Communication output	RS485 MODBUS RTU
Relay control set-points	Two:3A 250VAC,3A 30VDC
Optional power supply	85～265VAC,9～36VDC,power consumption≤3W
Working conditions	No strong magnetic field interference except the geomagnetic field.
Working temperature	-10～60℃
Relative humidity	≤90%
Waterproof rating	IP65
Weight	0.6kg
Dimensions	98×98×130mm
Installation opening size	92.5×92.5mm
Installation methods	Panel, wall mounting and Pipeline

CS6718S Water Hardness Sensor (Calcium)

Model No.	**CS6718S**
Power	9~36VDC
Measuring material	PVC Film
Housing material	PP
Waterproof rating	IP68
Measurement range	0.2~40000mg/L
Accuracy	±2.5%
Pressure range	≤0.3Mpa
Temperature compensation	NTC10K
Temperature range	0-50℃
Calibration	Sample calibration, standard liquid calibration
Connection methods	4 core cable
Cable length	Standard 5m cable, extendable
Mounting thread	NPT3/4''
Application	Industrial water, environmental protection, etc.