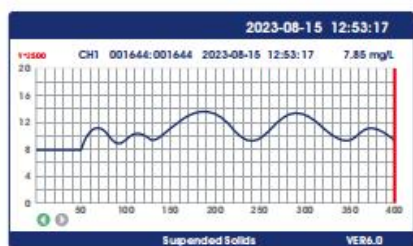


# DATASHEET

## Water Analysis

### Water Quality Online Monitoring Controller Model PT6000 Series



Data logging/Trend charting



## Description

Industrial online PH/ORP meter is an online water quality monitoring and control instrument with a microprocessor. The instrument is equipped with different types of pH electrodes or ORP electrodes and is widely used in various industries such as power plants, petrochemicals, metallurgy and electronics, mining, papermaking, biological fermentation engineering, medicine, food and beverage, environmental water treatment, aquaculture, modern agricultural planting, etc. It continuously monitors and controls the pH (acidity, alkalinity) value, ORP (oxidation, reduction potential) value and temperature value of the aqueous solution.

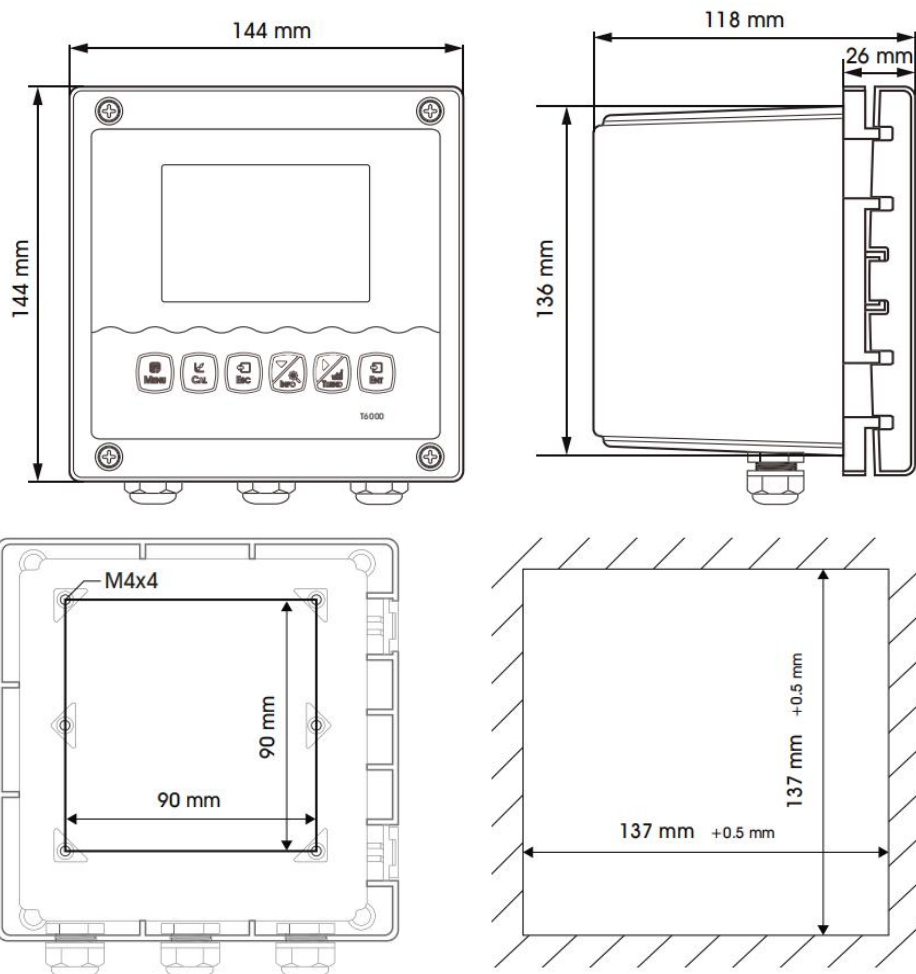
## Features

- Full-color screen, multi-line display
- Data logging/trend chart display
- Panel installation and wall installation both
- Multiple automatic calibration functions
- Three sets of relay control switches
- High limit, low limit, hysteresis control
- 4-20mA/RS485 multiple connection methods
- Password protection to prevent non-staff from misoperation

## Specifications

Parameters	Configuration
Temperature	-10~150 °C (According to electrode)
Temperature Resolution	0.1 °C
Temperature Error	±0.3 °C
Temperature Compensation Range	0~150 °C
Temperature Compensation	Automatically or manually
Current Output	2 channels of 4~20mA, 20~4mA, 0~20mA
Communication Output	RS485 Modbus RTU
Other Function	Data logging/Trend charting
Relay Control Contact	Three groups: 5A 240VAC; 5A 28VDC or 120VAC
Optional Power Supply	85~265VAC; 9~36VDC. Power: ≤3W
Working Environment	No strong magnetic field interference around except the earth's magnetic field
Ambient Temperature	-10~60 °C
Relative Humidity	≤90%
Protection Level	IP65
Instrument Weight	0.8kg
Instrument Dimensions	144 × 144 × 118mm
Installation Opening Dimensions	137 × 137mm
Instrument Installation Method	Panel mounted, wall mounted

## Dimension

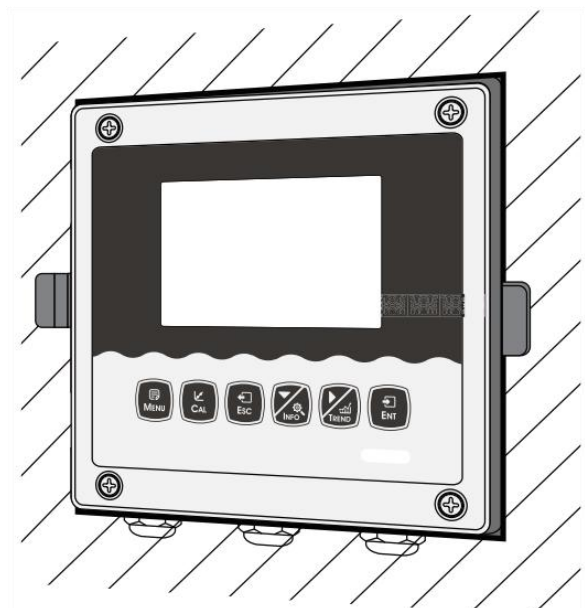
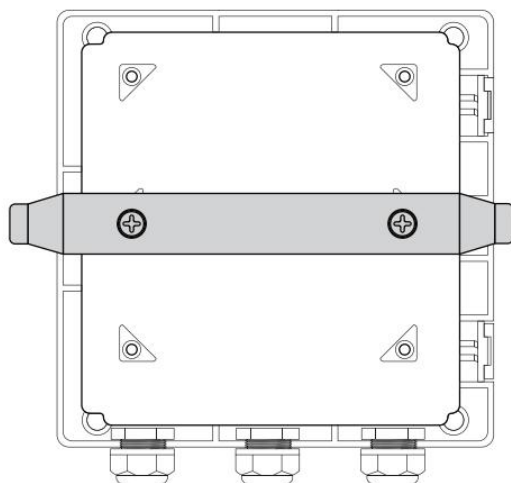


## Installation Method

### 1.Panel Installation

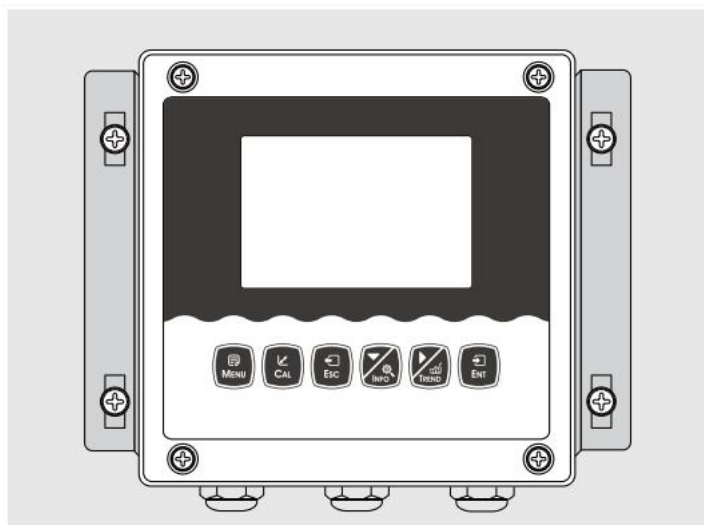


- Insert bracket to the opened hole
- Install the controller to bracket



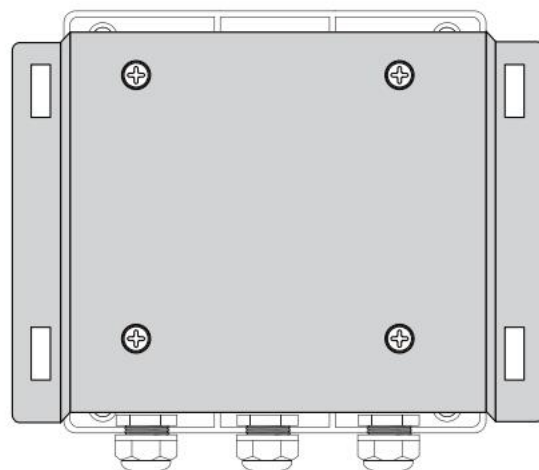
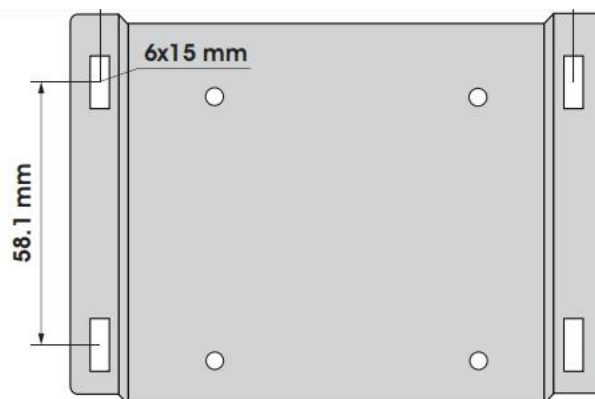
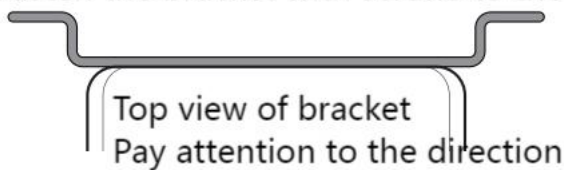
Installation completed diagram

## 2.Wall Mounting Installation



Installation completed diagram

- a. Install the controller with bracket
- b. Fasten the bracket with screws to the wall



## Model Selection Table

Monitoring Factor	PT6000 Series	Range	Resolution	Accuracy	Stability
pH/ORP	PT6000	-2-16pH;±2000mV	0.001pH;1mV	±0.01pH; ±1mV	≤0.01pH/24h; ≤1mV/24h
Lon	PT6010	0-99999mg/L	0.01mg/L	±2.5%	-
Conductivity		0-500ms/cm	0.01μS/cm;0.01mS/cm		
Resistivity	PT6030	0-18.82MΩ/cm	0.01KΩ/cm;0.01MΩ/cm	±0.5%F.S	±0.2%F.S/24h
TDS		0-250g/L	0.01mg/L;0.01g/L		
Salinity		0-700ppt NAOH:0-16%	0.01PPT;0.1%;0.01mg/L		
Acid, Alkali and Salt Concentration	PT6036	CaCL2:0-22% NACL/HNO3/HCL/H2SO4:0-10%	0.01%	±0.25%	±0.25%/24h
Electromagnetic conductivity	PT6038	0~2000mS/cm 0~1000g/L See chemical concentration table	0.01μS/cm;0.01mS/cm 0.01mg/L;0.01g/L Concentration 0.01%;	±0.5%FS Concentration 0.2%;	±0.2%F.S/24h
Polarographic Dissolved Oxygen	PT6040	0-40mg/L,0-400%	0.01mg/L;0.1%	±1%F.S	<2%F.S/week
Trace Dissolved Oxygen	PT6042	0-200μg/L-20.0mg/L	0.1μg/L;0.01mg/L	±1%F.S	<2%F.S/week
Fluorescent Dissolved Oxygen	PT6046	0-20.0mg/L;0-100%	0.01mg/L;0.1%	±1%F.S	<2%F.S/week
Turbidimeter	PT6070	0.001-9999NTU	0.001NTU	±1%F.S	-
Suspended Solids Concentration	PT6075	5.00-50000mg/L	0.01mg/L;0.01g/L	±1%F.S	-
Constant Pressure Residual Chlorine Meter	PT6050	0-20.00mg/L(ppm)	0.001mg/L	±1%F.S	Responding time: 90%<90s
Membrane Residual Chlorine Meter	PT6055	0-10.00-20.00mg/L pH:0~14.00pH	0.001mg/L pH:0.01pH	±1%F.S pH:±0.05pH	Responding time: 90%<90s
Constant Pressure Chlorine Dioxide	PT6053	0-20mg/L	0.001mg/L	±1%F.S	Responding time: 90%<90s
Constant Pressure Ozone	PT6058	0-20mg/L	0.001mg/L	±1%F.S	Responding time: 90%<90s
Mud Level	PT6080	0.2-12m	0.001m	±1%F.S	Velocity:≤3m/s
Universal	PSC6000				