PCMP01 Multi-parameters water analyzer

Features

- Multi-parameters
- High precision
- High reliability
- Low maintenance
- Self-protection
- Easy integration
- Strong environmental adaptability
- Highly customized

Applications

- Urban/rural water supply plants
- Sewage treatment
- Tap water
- Secondary water supply
- Indoor swimming pools
- Online monitoring of water quality
- Water conservancy
- Water management
- Sanitation supervision

Notes:

1 Do not touch the diaphragm with hard objects, which may cause damage to the diaphragm.

2 Please read the Instruction Manual of the product carefully before installation and check the relevant information of the product.

3 Strictly follow the wiring method for wiring; otherwise it may cause product damage or other potential faults.

Product overview

Multi-parameters water analyzer is a new generation of drinking water quality monitoring equipment independently developed and manufactured by our company. This equipment can be widely used in urban or rural water supply plants, tap water pipeline networks, tap water secondary water supply, user taps, Online monitoring of water quality such as large-scale water purification equipment and direct drinking water is an indispensable online analysis equipment in the fields of water plant production process control, water conservancy and water management, and sanitation supervision.

The monitoring parameters include turbidity, residual chlorine dioxide, pH,temperature.conductivity, dissolved oxygen, ORP, etc.

Notes:

1 Do not misuse documentation.

2 The information presented in this product sheet is for reference only. Do not use this document as a product installation guide.

3 Complete installation, operation, and maintenance information is provided in the instructions of the product.

4 Misuse of the product may cause danger or personal injury.

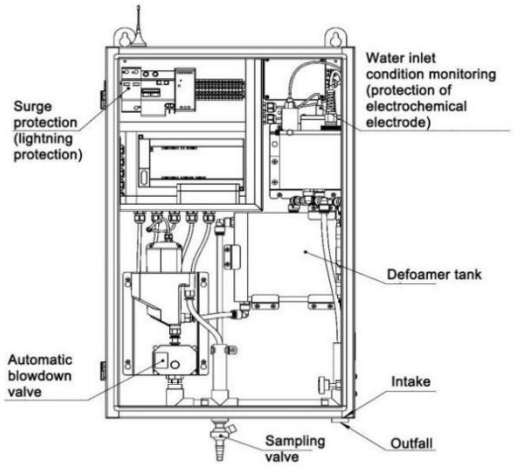
Performance parameters	
Working power	(220±22)VAC，(50±1)Hz
Power	30W
Cabinet size	800mm*506mm*180mm(standard version)
Weight	15kg
Storage temperature	4℃~+50℃
Working temperature	4℃~+50℃/-25℃~+50℃
Working humidity	≤95%RH (no condensation)
Inlet flow	500 ~ 1000 mL/min
Inlet pressure	< 3kg/cm^2
Communication interface	RS485 Modbus RTU communication protocol + air data interface
Display	7-inch color touch screen, Chinese/English
Working power	(220±22)V AC，(50±1)Hz
Cabinet size	800mm*506mm*180mm(standard version)
Turbidity	
Measurement method	90° light scattering method
Range	0-1NTU / 0-20NTU / 0-100NTU / 0-4000NTU
Resolution	0-1NTU/0-20NTU/0-100NTU：0.001NTU 0-4000NTU：0.01NTU
Lower detection limit	0.02NTU；0.1NTU（0-4000NTU）
Zero drift	≤1.5%
Repeatability	≤3%
Response time	≤120s
Recommended maintenance period	3-12 months (depending on the water quality on site)
Residual chlorine/chlorine dioxide	
Measurement method	Amperometric method/ polarography(automatic temperature and pH

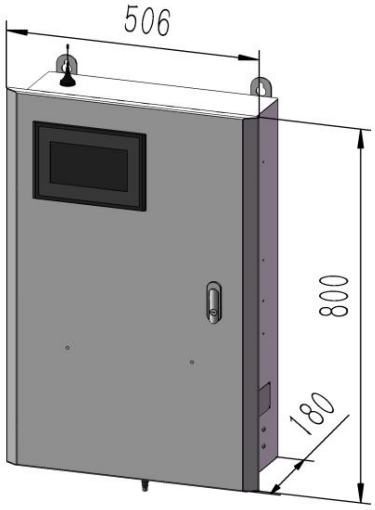
	compensation) Chlorine dioxide adopts special membrane head and electrolyte, which can effectively shield the interference of residual chlorine, and the maximum shielding amount is 2mg/L.
Range	0-5mg/L / 0-20mg/L
Resolution	0.01mg/L
Lower detection limit	0.05mg/L
Accuracy	±0.05mg/L or ±5% (DPD comparison error ±10%)
Response time	≤120 seconds
Recommended maintenance period Measurement method	1-3 months or weekly calibration, 3-6 months to replace consumables Amperometric method/ polarography (automatic temperature and pH compensation) Chlorine dioxide adopts special membrane head and electrolyte, which can effectively shield the interference of residual chlorine, and the maximum shielding amount is 2mg/L.
Measurement method	Amperometric method/ polarography (automatic temperature and pH compensation) Chlorine dioxide adopts special membrane head and electrolyte, which can effectively shield the interference of residual chlorine, and the maximum shielding amount is 2mg/L.
PH /ORP(optional)	
Measurement method	Electrode method (automatic temperature compensation)
Range	0-14pH, ±2000mV（ORP）
Resolution	0.01pH, ±1mV（ORP）
Accuracy	±0.1pH, ±20mV（ORP）or ±2%
Repeatability	±0.1pH, ±10mV（ORP）
Response time	≤60 seconds
Recommended maintenance period	1-3 months
Temperature	
Measurement method	Thermistor method
Range	-20℃ - 85℃
Resolution	0.1℃
Accuracy	±0.5℃
Repeatability	≤0.5℃
Response time	≤25 seconds
Recommended maintenance period	12 months
Conductivity (Optional)	
Measurement method	Conductivity cell method (automatic temperature compensation)
Range	1-2000uS/cm / 1~200mS/m
Accuracy	±1.5%FS
Repeatability	≤0.5%FS

Response time	≤30 seconds
Recommended maintenance period	3-6 months
Measurement method	Conductivity cell method (automatic temperature compensation)
Dissolved oxygen (Optional)	
Measuring method	Fluorescence method (Optional coating ampere current method)
Range	0-20mg/L
Accuracy	±0.3mg/L
Repeatability	≤±1.5%
Response time	≤30 seconds
Recommended maintenance period	1-3 months
Expansion port	
Port type	RS485、4-20mA

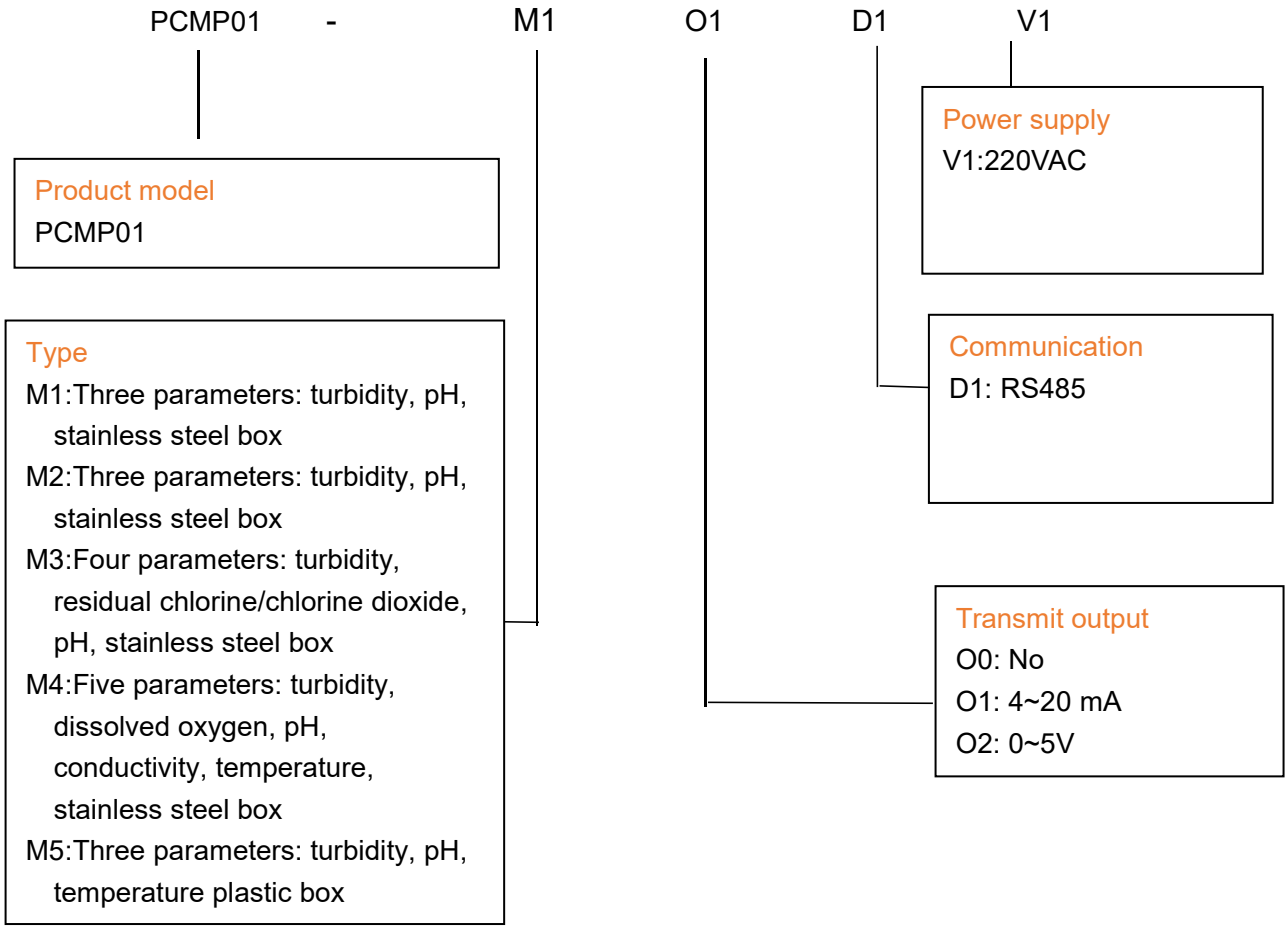
Dimensions

The main structure of the multi-parameter water analyzer is shown in the Figure.





How to order



Example: PCMP01 - M1 O1 D1 V1
Product model: PCMP01. M1:Three parameters: turbidity, pH, stainless steel box.
O1:No transmit output .D1：RS485. V1:Power supply 220VAC..

Contact us

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