

# PCPH01 PH online analyzer

## Features

- Design of board card modularity, for convenience of assembly and configuration.
- 2.4 inches 12864 lattice screen
- Isolating transmitting output, with little interference
- Isolating RS485 communication
- Can be PH / ORP measurement, temperature measurement
- Upper and lower limit control, transmission output, RS485 communication
- Configurable manual and auto temperature offset function
- Configurable upper/lower limit warning and delay
- Configurable hummer and LCD backlight switch
- Addition of universal password
- Industrial controlled door keep, to avoid instrument halted

## Applications

- Water treatment and water cleaning
- Hydraulics water and pneumatic
- Laboratory and food process
- Chemical industry



## Product overview

Independent research and development of electronic online monitoring PH / ORP value, through the RS485 or current transmission remote access to the monitoring room for record and save.

PH tester is one of the intelligent online chemical analysis equipment, is a widely used in thermal power, chemical fertilizer, metallurgy, environmental protection, Pharmaceutical, biochemical, food and tap water solution PH value or ORP value and temperature of the continuous monitor. Continuous monitoring data through the transmission output connection recorder to achieve remote monitoring and recording, you can also connect the RS485 interface through the MODBUS-RTU protocol can be easily connected to the computer to achieve monitoring and recording.

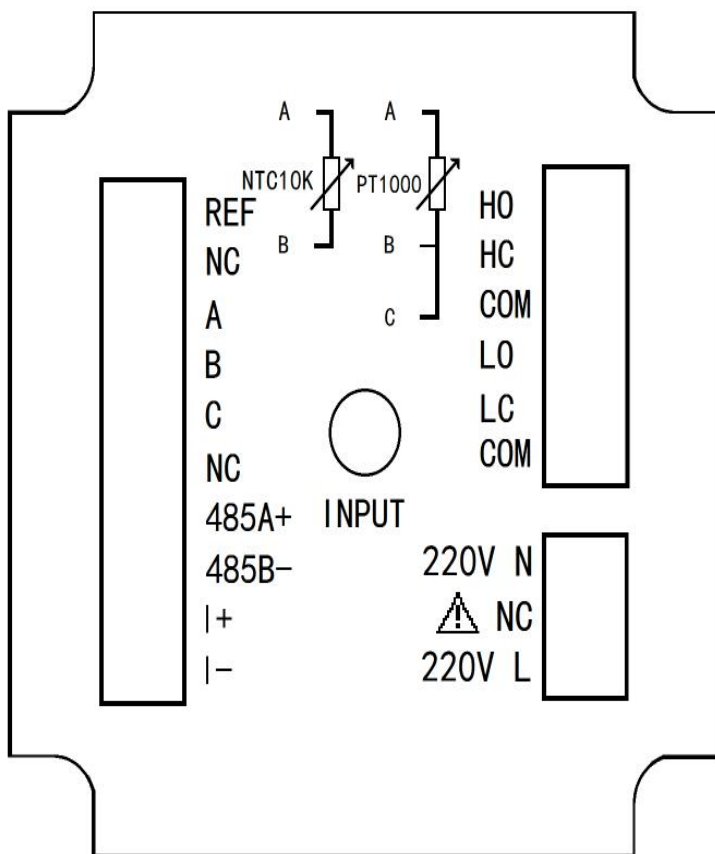
### Notes:

- 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.

### Technical indicators

Measuring range	PH (0-14 PH); ORP (-1000- + 1000 mV (customization: -2000- + 2000 mV))
Stability	≤ 0.02 PH / 24H; ≤ 3 mV / 24H
Accuracy	PH: ±0.02PH; OPR: ± 1mv
Input impedance	≥10 <sup>12</sup> Ω
output	4-20 mA
Maximum Lop	750 Ω ,0.1% FS
Temperature range	-10° C-130° C; accuracy: ±0.5° C
Temperature compensation	-10-130 °C Manual / automatic
Power supply	AC220V ± 10%, 50Hz / 60Hz (customization: AC110V ± 10%, 50Hz / 60Hz or DC 24V)
Relay output	One high alarm, one low alarm(3A/250V/AC), regular on
RS485 function	compatible with the standard MODBUS-RTU communication protocol
Span temp. coefficient	0.02%F.S. / °C(≥100kPa)   0.04%F.S. / °C(<100kPa)
Relay alarm	two normally open normally closed alarm relay AC250V, 3A
Cable length	5m 10m 15m 20m
Language	Chinese and English can be switched






### Wire connection

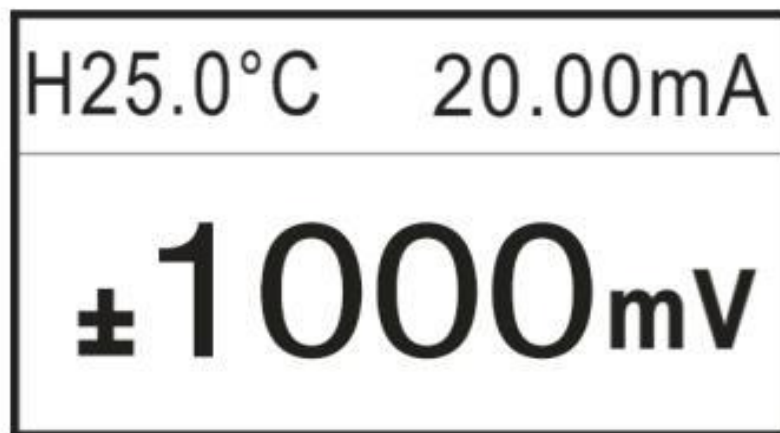
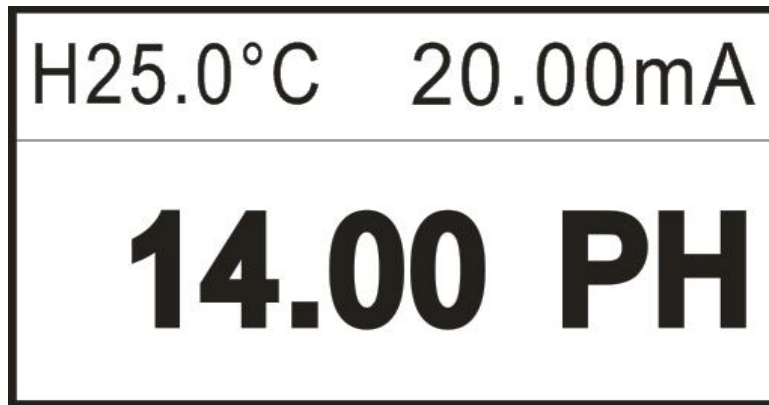


- INPUT: Measuring terminal of the electrode
- REF: Reference terminal of the electrode
- NC: Unidentified
- A: Temperature compensation terminal A, NTC10K and PT1000  
connect here
- B: Temperature compensation terminal B, NTC10K and PT1000  
connect here
- C: Temperature compensation terminal C, PT1000 three-wire  
temperature grounding, PT1000 two-wire need to be  
short-connected to TEMPB, not NTC10K.
- NC: Unidentified
- RS485 (A +): RS485 communication interface A +
- RS485 (B -): RS485 communication interface B -
- 4-20mA (+): 4-20mA output end+
- 4-20mA (-): 4-20mA output end-
- AC220V (L): AC220V FireWire
- AC220V (N): AC220V zero line
- HO: high alarm normally open relay
- HC: high alarm normally closed relay
- LO: low alarm normally open relay
- LC: low alarm normally closed relay
- COM: common

Button display



Definition of buttons		
Sign	Button	Function description
	EXIT	Check related warning status on the “monitoring page” Return to previous level page in the up& down level page linked to “menu page”
	MOVE RIGHT	Make a recurrent selection of digit of parameters Remove the original indication value in the “conductivity calibration page”
	MENU	Enter the MENU on the “monitoring page” Exit the MENU on the “menu page”
	MOVE DOWN	Select the related menu on the “menu page” Modify the values in the configuration state
	ENTER	Enter the sub-menu or confirm modification on the “menu page”



### Optional accessory

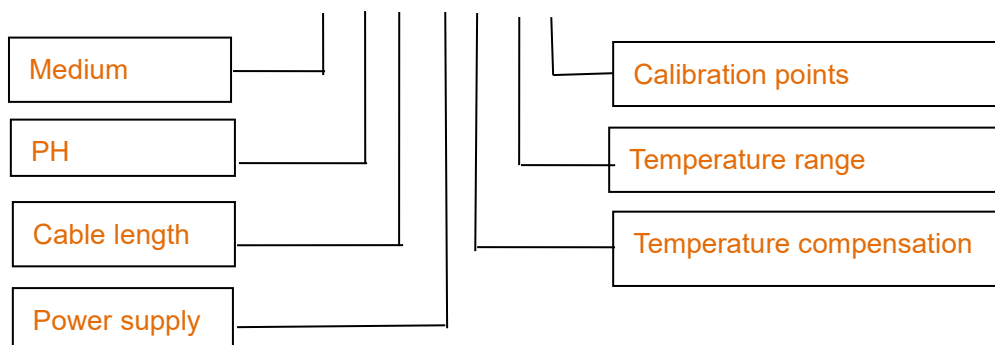
PTFE cover can prevent the electrode from damage in strong acid and alkaline

Technical parameters

- Male tread type:3/4NPT
- Female tread type: PG13.5
- Material:PTFE

### How to order

#### PCPH01 PH online analyzer





\*Please contact our sales staff for specific customization parameters.

Wotian reserves the right to make any change in this publication without notice. The information provided is believed to be accurate and reliable as of this product sheet.

## **Contact us**

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