



**PONPE 590**

**pH Transmitting Controller**

## Overview

The PONPE 590 are widely used for online pH monitoring in environment protection water treatment , industrial process and so on.

## Function

- White backlist LCD screen, several operations , easy for operation.
- Be compatible for six kinds of buffer solution which suitable for international standard.
- Selectable temperature sensor which reduce the replacement cost.
- Manual calibration is easy for on-site calibration.
- EMC enhancement type could run smoothly under kinds of industry environment.
- (4-20) mA output support instrument/transmitter modes and satisfy all 4-20 mA receiving unit
- Double relay high/low and delay control function could fulfil pH interval control and adjustment.



## Specification

Model		 PONPE 590	 PONPE 590BP	 PONPE 590BPH
Measurement Range	pH	0.00 ~ 14.00		
	ORP	-1000mV ~ 1000mV		
	Temp.	0~50°C (Temp. compensation component : NTC10K)		
Resolution	pH	0.01		
	ORP	1mV		
	Temp.	0.1°C		
Accuracy	pH	0.1		
	ORP	±5mV (Electronic component)		
	Temp.	±0.5°C		
Approximate input impedance		3×10 <sup>11</sup> Ω		
Buffer Solution		pH value: 10.00; 9.18; 7.00; 6.86; 4.01; 4.00		
Temp. compensation range		(0~50) °C (with 25°C as standard) Manual and automatic temperature compensation		
( 4~20 ) mA	Characteristics	Isolated, fully adjustable, reversible, instrument / transmitter for selection		
	Loop resistance	500Ω (Max), DC 24V		
	Accuracy	±0.1mA		
Control contacts	Electrical contacts	Double relay SPST-NO, return model		
	Loop capacity	AC 220V / AC 110V 2A (Max); DC 24V 2A (Max)		
Power consumption		<3W		
Working environment	Temperature	(0~50) °C		
	Humidity	~85%RH (none condensation)		
Storage environment		Temp. (-20~60) °C; Relative humidity ~85%RH (none)		
Outline dimension		96×96×105mm (H×W×D)	203×317×152 mm (H×W×D)	404×300×301 mm (H×W×D)
Installation		Panel mounted, fast installation		

