

# ponpe

## INSTRUMENTS

# pH Transmitting Controller

## PONPE 590




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



### Function

- White backlight 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 ~ 20mA receiving unit.
- Double relay high / low and delay control function could fulfill pH interval control and adjustment.
- Several power supply to be selection according to the different models. Input AC/DC power, no polarity connection.

### Specifications

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		

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## Set Includes

### Model PONPE 590

- 1 × PONPE 590 pH Transmitting
- 1 × PONPE 590-P-10M pH ElectrodeController
- 1 × English User ManualController

### Model PONPE 590BP

- 1 × PONPE 590BP pH Transmitting Controller
- 1 × PH-1110A pH Electrode
- 1 × English User ManualController

### Model PONPE 590BPH

- 1 × PONPE 590BPH pH Transmitting Controller
- 1 × PH-1110A pH Electrode
- 1 × English User ManualController

## Optional Accessories

ORP-1110A ORP Sensor

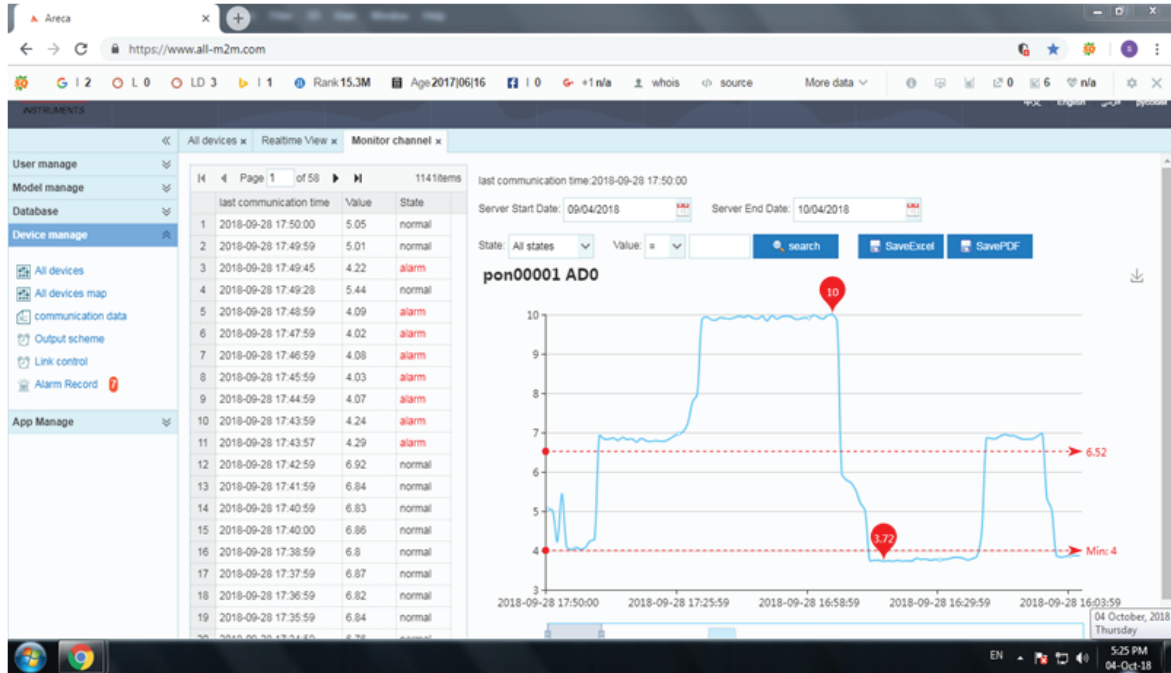
## OPTION (ข้อเพิ่ม)

- แสดงค่าการวัดและการแจ้งเตือนผ่านหน้าจอ Smart Phone (Android) และคอมพิวเตอร์ได้

The screenshot displays the PONPE Instruments web interface. The top navigation bar includes links for 'All devices', 'Realtime View', 'Monitor channel', 'My account', 'Sub account', and 'Alarm Record'. The left sidebar contains a menu with 'User manage', 'Model manage', 'Database', 'Device manage', and 'App Manage'. The 'Device manage' section is active, showing a table of devices. The table has columns for 'Operation', 'Device ID', 'Device Name', 'Time', 'Node', 'Status', 'Value', and 'Read State'. Two devices are listed, both with a status of 'Alarm' and a value of '1.9'. The first device has a 'Read State' of 'unread', and the second has a 'Read State' of 'unread'.

Operation	Device ID	Device Name	Time	Node	Status	Value	Read State
mark unread	pon00001	1	2018-10-08 09:03:48	AD0	Alarm	1.9	unread
mark unread	pon00001	1	2018-10-08 09:03:48	AD0	Alarm	1.9	unread

- เรียกดูข้อมูลได้ในรูปแบบกราฟหรือตาราง



- Export รายงาน (Report) ในรูปแบบไฟล์ Excel, PDF และ JPG ได้

The screenshot shows the data exported to an Excel spreadsheet. The table has columns: Index, Device ID, Model, last communication time, State, and Value. The data is organized into rows, showing a sequence of pH readings over time. The values range from approximately 4 to 10. The spreadsheet is titled 'pon00001 AD0'.

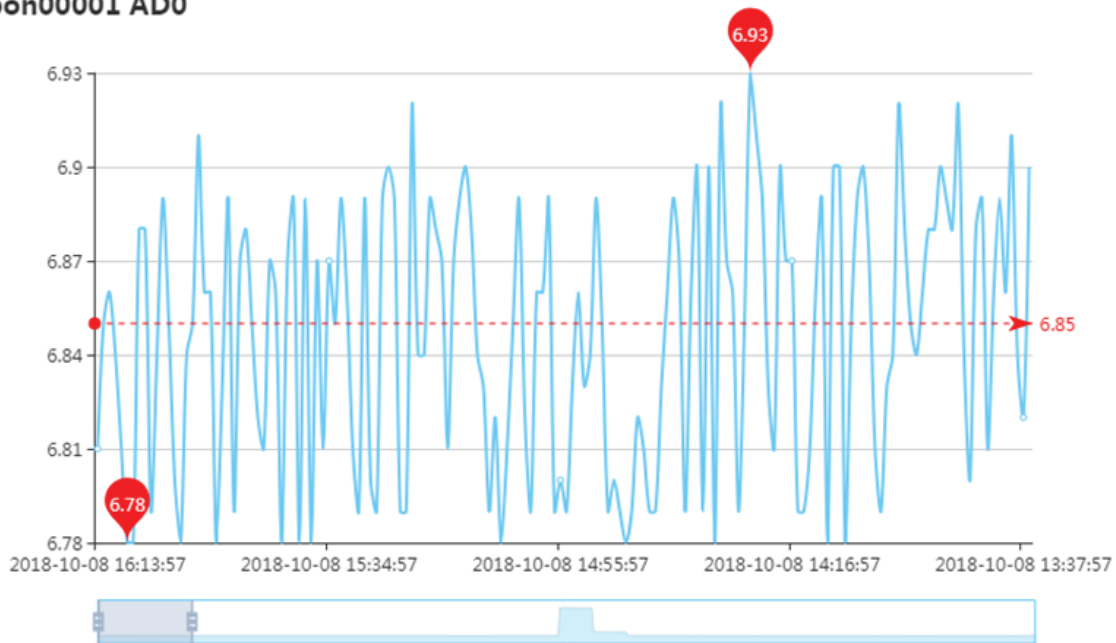
The screenshot shows the data exported to a PDF report. The table has columns: Index, Device ID, Model, last communication time, State, and Value. The data is organized into rows, showing a sequence of pH readings over time. The values range from approximately 4 to 10. The report is titled 'pon00001 AD0.pdf'.

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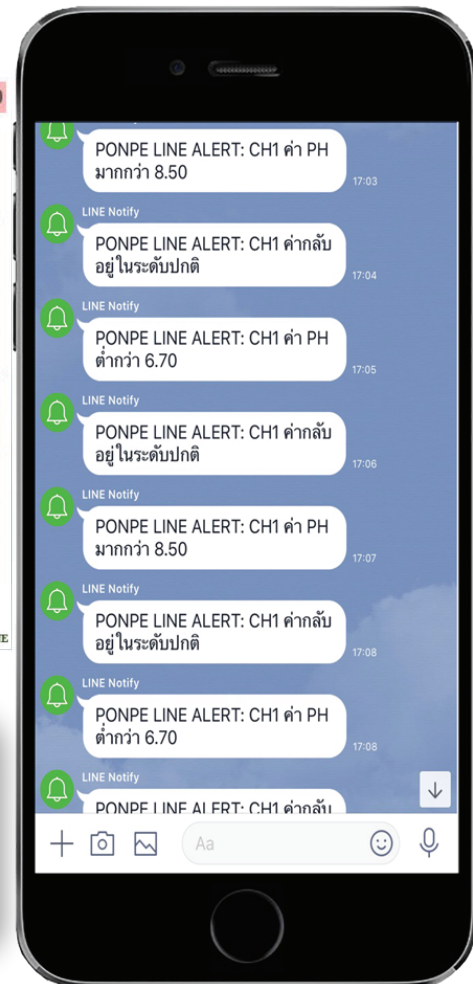
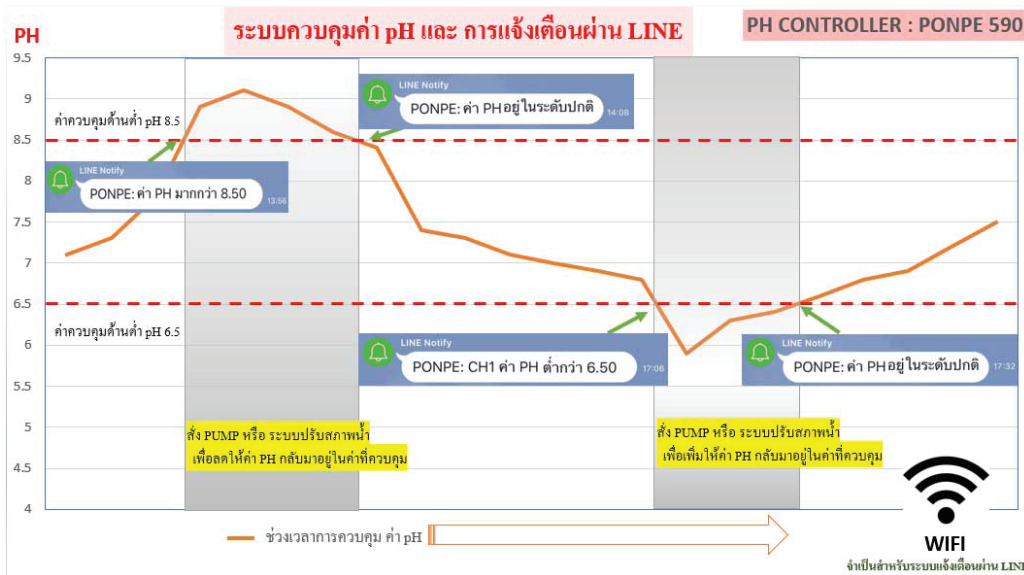
## INSTRUMENTS

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pon00001 ADO



### - ระบบ Line Alert



## ระบบการแจ้งเตือน ผ่าน Application Line

