

# pH/mV/ORP PH3000 Controller/Transmitter



This series of controllers are designed based on microprocessor and aimed to:

1. Continuously & Precisely to measure and monitor pH/mV, ORP and Temperature.
2. Convenient to install at industrial site.
3. Easy daily maintenance.

- Standard 1/4 DIN(96\*96) shell(3000 series)
- Double clamp shell fixing installation. Press terminals to connect wires. Easy mounting and no need for any tools.
- IP65 rated, Large LCD, with high luminance LED backlight. With the back hermetic cover, protection rate can be IP67 and is suitable for harsh industrial environment.
- pH value, mV value, Temperature value with screen display simultaneously, humanized design.
- Four sets with 11 points buffer combination, covering global standards including US, EU, CN, JP. Auto buffer recognition.
- Customized Free pH calibration with 1 set two points.
- Three sets of temperature: PH1000, PH100, TH10KΩ (optional)
- Two sets of relays, can be independently set up, to meet the needs of users precise control.
- Another one set of independently set up relay can be used as Cleaning/Alarm function.
- Two sets of isolated 4-20mA output, separately output the pH value and temperature value.
- Temperature deviation adjustment: compared to the actual calibrated data at site.
- Double high impedance input(symmetrically input), configure with differential sensor.
- One key to browse sensor condition and set parameters, allow you to master the working status any time.

## CS1733 pH combination sensor



- pH Range: 0 - 14
- Temp. Range: 0 - 80°C
- CS13 formula H<sup>+</sup> sensitive film
- Double ceramic SNEX liquid junction
- Dimension: 160mm φ30mm
- Ref: Ag/AgCl
- Pressure: 0 - 5 bar
- PPS body
- NPT 3/4"
- Cable: 5m, BNC

CS1753 with temperature; ground connection (Optional).

	Model	PH3000
	Installation	Panel mounted
PH	Range	-2.00-16.00 pH
	Resolution	0.01 pH
	Accuracy	±0.01 pH
	Signal Input Impedance	≥10 <sup>12</sup> Ω
ORP	Range	-2000~2000 mV
	Resolution	1 mV
	Accuracy	±1 mV
TEMP	Temperature Range	-10.0~110.0 °C(14.0-230.0 °F)
	Resolution	0.1 °C, 0.1 °F
	Precision	±0.3 °C
	TEMP input	TH10K, PH1000,PH100
	TEMP Compensation	Automatic/Manual
Signal Output	pH/ORP signal output	4-20mA(adjustable) (Passive,2-Wire)
	TEMP value signal output	4-20mA(adjustable) (Passive,2-Wire)
	Current Accuracy	1%FS
	Output Load	<500 Ω
Relay Output	On/Off	2 SPST Relays
	Output	3A 230 VAC
	Cleaning/Alarm Relay	1 SPST Relay X2,5A
pH buffer	B1	1.68, 4.01, 7.00, 10.01 (US)
	B2	2.00, 4.01, 7.00, 9.21, 11.00 (EU)
	B3	1.68, 4.00, 6.86, 9.18, 12.46 (CN)
	B4	1.68,4.01, 6.86, 9.18 (JP)
	CU.CAL	Customized Free calibration with two points
ORP calibration		Customized Free calibration with two points
Others	Power	100~240 VAC or 24 VDC(optional)
	Working Temperature	0~60°C
	Humidity	< 90%
	IP Rated	IP65
	Installation	Panel mounted
	Fixing installation	Double clamp shell
	Dimensions (H×W×D)	96×96×102 mm
	Back cover Dimensions	(H×W×D) 87×87×40 mm
	Panel Cut Size	92.5×92.5 mm
	Shell	ABS
Weight	0.55kgs	