

# Microprocessor pH/ORP Panel Meter

PC-100 / PC110



## Applications:

- Water & Wastewater Treatment
- Pure water
- Clean room
- Scrubber
- Industrial Process
- Electronics Process

## Features:

- 48 x 96 mm Microprocessor pH/ORP Monitor
- Also as a second meter to receive mV, mA signal from other transmitter, and to display pH, mA, mV, %, °F, °C, ppm, mg/l,  $M\Omega \cdot cm$ , mS/cm,  $\mu S/cm$ , or none unit selectable
- User-friendly operation
- Compact design best for equipment installation & integration
- Self-diagnostic function and error messages
- Simultaneous display of measurement value and temperature
- Two points Tech., NIST, or any buffer calibration
- Automatic temperature compensation, NTC30K or PT 1000 selectable
- One set of isolated current outputs DC 0/4~20mA, Max. 500 $\Omega$
- Gradually continuous sample measurements average function to enhance stability
- With multi-key design, security protection enhancement

## PC-110 only:

- PC-110 offers one Hi/Lo relay contact output, one set point with programmable hysteresis function



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## PC-100/PC-110

### Specifications:

Model		PC-100	PC-110
Measurement Parameter		pH/ORP/Temp./mA/mV	
Range	pH	-2.00~16.00pH	
	ORP	-1999~1999mV	
	TEMP	-30.0~130.0°C	
	mV	-2000~2000mV	
	mA	0.00~20.00mA	
Resolution	pH	0.01pH	
	ORP	1mV	
	TEMP	0.1°C	
	Other	0.01~1	
Accuracy	pH	±0.01pH(±1Digit)	
	ORP	±0.1%(±1Digit)	
	TEMP	±0.2°C± 1 Digit	
	Other	±0.1%(±1Digit)	
Measurement unit on display		pH, μS/cm, mS/cm, MΩ·cm, mg/l, ppm, °C, °F, %, mV, mA, None unit	
Temperature Compensation		NTC30K/ PT1000 auto recognized	
		Manual adjustment	
Working Temp.		0~50°C	
Storage environment		-10~70°C	
Input Impedance		> 10 <sup>12</sup> Ω(for pH/ORP)	
Display		LCD display	
Analog output		Isolated DC 0/4~20mA corresponding to pH/ORP, or mV/mA input, max .500W	
Setting	Contact	—	240VAC 0.5A Max. (recommend)
	Activate	—	Hi/Lo one limited programmable, ON/OFF
Power Supply		100V~240VAC±10%, 50/60Hz	
Installation		Panel mounting	
Dimensions		48 mm x 96 mm x 110 mm (HxWxD), 1/8DIN	
Cut off Dimensions		44 mm x 92 mm (HxW)	
Weight		0.25Kg	

\*The specifications and appearance of the instrument are subject to change without notice.

### Optional Accessories:

- 1.pH electrode
- 2.ORP electrode
- 3.PT-1000 ATC probe
- 4.NTC 30KΩ ATC probe
- 5.pH buffer solutions
- 6.ORP buffer solutions
- 7.Cleaning solutions
- 8.Junction box
- 9.Flow-through chamber
- 10.Immersion electrode holder 1M, 2M and 3M
- 11.Industrial electrode protection housing/fitting
- 12.Extension cable



**SUNTEX INSTRUMENTS CO., LTD.**

Web site: [www.suntex.com.tw](http://www.suntex.com.tw) E-mail: [suntex@ms1.hinet.net](mailto:suntex@ms1.hinet.net)

13F., No.31, Lane 169, Kangning St., Xizhi Dist., New Taipei City 22180, Taiwan (R.O.C.)

Tel: 886-2-2695-9688 Fax: 886-2-2695-9693

Taichung Branch: 886-4-2319-7996 Kaohsiung Branch: 886-7-334-4103