

Intelligent pH/ORP Transmitters

PC-3110 / PC-3110RS



Calibration Info.	
1	Cal Time: 2010/01/01 00:01
2	Mode: TECH-Three Points
3	Slope: -59.2 mV/pH @25.0°C
4	Asym: 0.0 mV
5	Sensitivity: 100.1 %
6	Determination: 1.0000
7	Return: Manual

Calibration Info			
Point	Buf (pH)	Volt (mV)	Temp (°C)
1	4.01	177	25.0
2	7.00	-0	25.0
3	10.00	-178	25.0

Multi - Cal.	
1	4.01
2	7.00
3	10.00

Overview	
1	Mode: pH
2	Temp. MTC: Setting: 25.0°C
3	Rel1: Hi, SP: 10.00pH, DB: 0.10pH
4	Rel2: Lo, SP: 4.00pH, DB: 0.10pH
5	Cl: OFF
6	pH mA: 4-20mA, 2.00pH, 12.00pH
7	Temp mA: 4-20mA, 0.0°C, 100.0°C

Applications:

- Industrial Process
- Chemical Process
- Water & Wastewater Treatment
- Biochemistry
- Scrubber
- Recycling
- Environmental protection

Features:

- 96 x 96mm Microprocessor pH/ORP Transmitter
- Waterproof and dustproof design
- Solution-ground design eliminating interference of ground potential
- Large LCM display with backlight and contrast setting function
- User-friendly operation with text and graphic illustration, clear signs and easy to understand
- Multi-Cal calibration, Tech. and NIST buffer automatic recognition
- Max. 3-point calibration and the calibration line calculated by linear regression, the last calibration data displayable
- With password and multi-key design, security protection enhancement
- Automatic temperature compensation, NTC30K or PT 1000 selectable
- Two sets of isolated current output at DC 0/4~20mA, max. load 600Ω
- Hi/Lo limited contact output; Set point and hysteresis programmable
- Automatic sensor clean function with programmable time interval
- LED indicated alarm or washing status signal
- IP 65 (NEMA 4) 、 CE approved

PC-3110RS Only:

- Measuring value can be selected for figure or chart display
- Real time clock design, equipped with logbook function
- Max. 5-point calibration, with customer definition buffer setting and calibration curve, which can be displayed
- Equipped with one analog output and RS-485 interface
- Field correction function



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Specifications:

Model	PC-3110	PC-3110RS
Measuring modes	pH/ORP/Temp.	
Ranges	pH	-2.00~16.00 pH
	ORP	-1999~1999 mV
	Temp.	-30.0~130.0°C
Resolution	pH	0.01 pH
	ORP	1 mV
	Temp.	0.1°C
Accuracy	pH	0.01 pH ± 1 digit
	ORP	0.1% ± 1 digit
	Temp.	0.2°C ± 1 digit
Temperature compensation	Automatic with NTC 30KΩ or PT-1000	
	Manual adjustment	
Ambient Temperature	0~50°C	
Storage Temperature	-20~70°C	
Input Impedance	>10 ¹² Ω	
Display	Large LCM with backlight and contrast function	
Analog output 1	Isolated DC 0/4~20mA corresponding to pH/ORP, max. load 600Ω	
Analog output 2	Isolated DC 0/4~20mA corresponding to Temp., max. load 600Ω	—
Serial Interface	—	RS-485(MODBUS RTU or ASCII)
Logbook	—	50 data records
Setting	Contact	240VAC, 0.5A max. (recommend)
	Activate	Hi/Lo two limited programmable, ON/OFF
Wash	Contact	240VAC, 0.5A max. (recommend)
	Time	ON:0~99min.59sec. OFF:0~999 hours59min.
Voltage output	DC ± 12V, 1W max.	
Power Supply	100~240VAC±10%, 9W max. , 50/60 Hz	
Installation	Wall or pipe or panel mounting	
Dimensions	96 mm x 96 mm x 132 mm (H x W x D)	
Cut off Dimensions	93 mm x 93 mm (H x W)	
Weight	0.5 kg	
Certification	IP 65 (NEMA 4) 、 CE	

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

Optional Accessories:

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|--------------------------------|--|
| 1.pH electrode | 9.Junction box |
| 2.ORP electrode | 10.Flow-through chamber |
| 3.PT-1000 ATC probe | 11.Immersion electrode holder 1M, 2M and 3M |
| 4.NTC 30KΩ ATC probe | 12.Industrial electrode protection housing/fitting |
| 5.Field indication transmitter | 13.Extension cable |
| 6.pH buffer solutions | 14.Sensor cleaning kit |
| 7.ORP buffer solutions | 15.Recorder |
| 8.Cleaning solutions | 16.Sun shield |



SUNTEX INSTRUMENTS CO., LTD.

Web site: www.suntex.com.tw E-mail: suntex@ms1.hinet.net

13F, No. 31, Lane 169, Kang Ning St., Hsi-Chih City, Taipei County, Taiwan, R.O.C. 221

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

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