SUNTEX

pH ORP °C

Microprocessor

SUNTEX PC-100/110

pH/ORP Monitor

Microprocessor pH/ORP Panel Meter

PC-100

pH

ORP

4-20mA output

Second meter

ISOLATED 4-20mA OUTPUT

Compact design saves installation space.....

CONTROL

PC-110

Microprocessor pH/ORP Panel Meter

pH

ORP

4-20mA Output

Second meter

One Relay

ONE RELAY CONTROL

Microprocessor pH/ORP Panel Meter..PC-100/110

OVERVIEW

°C

pH

4~20mA Output

ORP

Power supply 100~240 VAC

Second Meter

Dimensions 48 x 96 x 120 mm

HI/Lo Relay PC-110 Only

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Microprocessor pH/ORP Panel Meter..PC-100/110

MAIN APPLICATIONS

Pure water / Wastewater

- pH, the essential parameter, is to obtain the status of the relative acidity. For drinking water plant, food & medicine industry, demand for controlling pH is regarded as an important issue.
- On-site wastewater treatment is necessary with continuous monitoring and control to prevent from pollutions, and thus to protect the environment & to meet the requirements.

Wastewater application

For Lab-plant systems

- The PC-100/110, featuring a 1/8 DIN compact size design, is very suitable for installation with equipments. For research labs or indoor equipments with limited space, the PC-100/110 series provides the ideal solution with easy of use feature.

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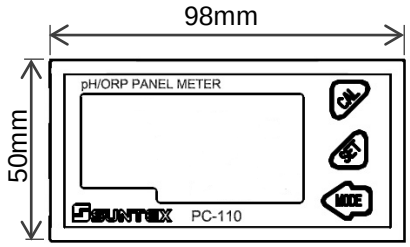
Microprocessor pH/ORP Panel Meter..PC-100/110

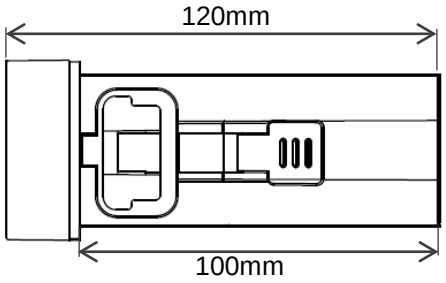
Compact size.....

Easy-to-install Monitor

.....with great popularity in field

The PC-100/110 monitor series has a compact design to fit in the equipment machines such as indoor wastewater system control panels or process equipment in the factories. This practical & easy to use model has been successfully proved to the popularity in fields.





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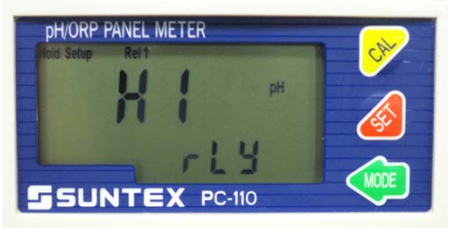
Microprocessor pH/ORP Panel Meter..PC-100/110

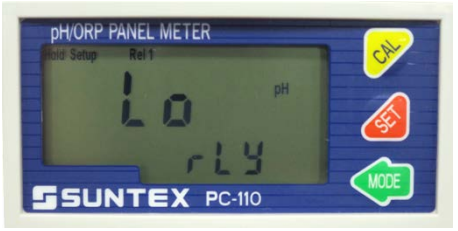
Design for PC-110 only.....

Programmable Relay

.....effectively controlling the external devices

Depending upon requirements of the process, programmable set point and hysteresis ensure appropriate timing for activation of the external devices such as pumps or valves. The hysteresis(dead band) function extends set-point range to avoid frequently activating pump or solenoid valves.





Hi/Lo programmable relay contact

Wastewater treatment system

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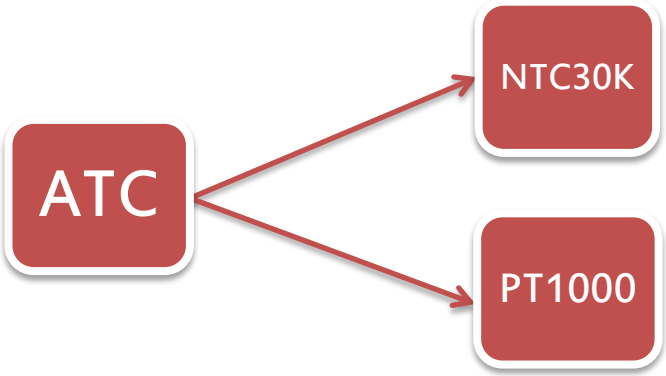
Microprocessor pH/ORP Panel Meter..PC-100/110

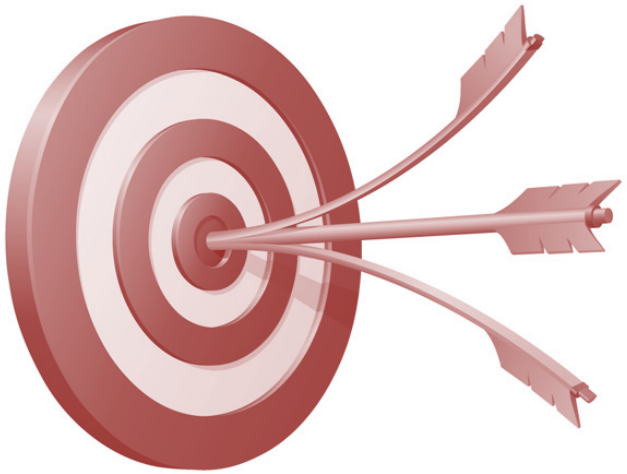
Indispensable.....

Temperature Compensation

.....measurement accuracy can be confirmed

Accurate measurement can be achieved by auto temperature compensation with NTC30K or PT1000 that makes up for the temperature effects on sensor and corrects the measuring error. Temperature measurement can also be corrected within ± 5.0°C to eliminate error.





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Microprocessor pH/ORP Panel Meter..PC-100/110

Flexible & reversible.....

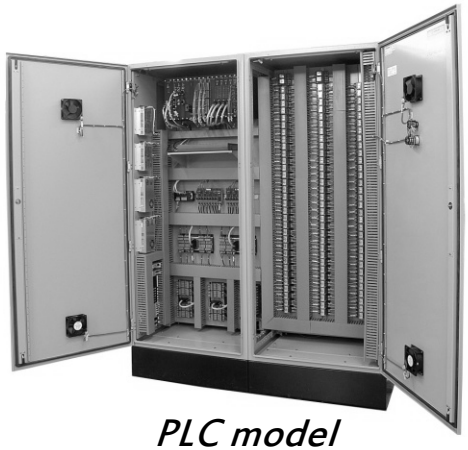
Analog Output

.....for PLC communication or recorder

An isolated 4~20mA output is equipped in both PC-100 & PC-110. The programmable setting allows the 4mA or 20mA output corresponding to the desired value. The setting function enables the enhancement of signal resolution and also the possibility of reversed setting.

4 mA corresponding to desired pH

20mA corresponding to desired pH



PLC model

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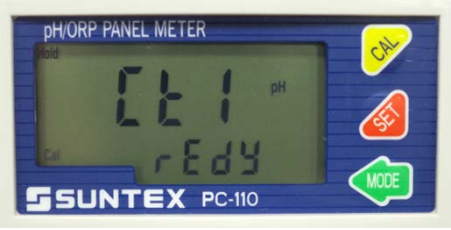
Microprocessor pH/ORP Panel Meter..PC-100/110

Quickly accessible.....

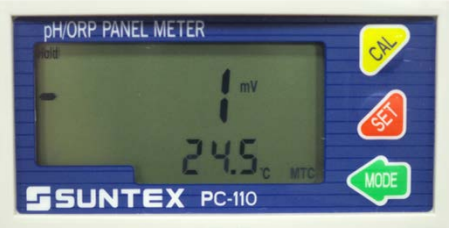
Calibration Mode

.....accuracy ensured by smart interface

Calibration for a pH electrode is the essential to the measurement accuracy. The PC-100/110 equipped with TECH/NIST buffer cal. mode with built-in temperature table for easy & reliable calibration; with any buffer mode to accept any pH value of the buffer solution for single or dual points calibration. The zero-point and slope result will be showed as status index for sensor performance diagnosis.



CT mode for TECH buffer 1



Readings in TECH buffer 1

After Cal. slope status for the diagnosis index of the sensor

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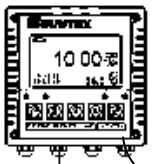
Microprocessor pH/ORP Panel Meter..PC-100/110

Flexible Input, Display & Output.....

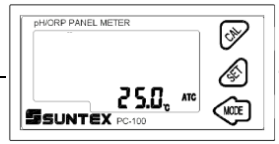
Second Meter

....prolong transmission & display for desired unit

mg/l	pH	ORP	mV
MΩ·cm	°C	°F	mA
%	ppm	mS/cm	µS/cm

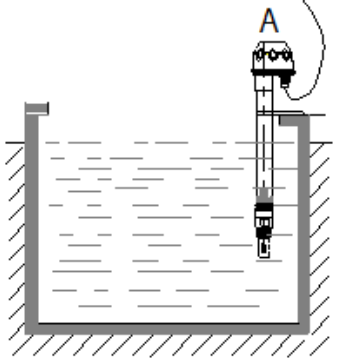


4-20 mA input



4-20 mA output

Signal to PLC or Recorder



Accept the 4~20mA signal and display it into a desired unit and value, such as ppm, %, mV, pH...

Hi/Lo relay control (PC-110 only)

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PC-100 & PC-110

Microprocessor pH/ORP Panel Meter

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