

pH(ORP)지시경보계

pH ANALYZER

OUTLINE

The SH7500R is a digital pH ANALYZER in 96 × 96 DIN size case and has large-sized display excellent in visibility. Enhanced design allowed automatic buffer calibration, communication interface, and wide range of power input voltage. The functions are available for various applications in the field.

FEATURES

- SIMPLE OPERATION
- EXTRA-LARGE DIGITAL DISPLAY
- COMPACT SIZE IN 96 x 96 MM DIN CASE
- AUTOMATIC BUFFER CALIBRATION
- EVENT OUTPUTS STANDARD
- COMMUNICATION INTERFACE
- WIDE RANGE OF POWER INPUT VOLTAGE
- SELF DIAGNOSTICS

SPECIFICATIONS

Input: Glass electrode, Antimony electrode(pH) or ORP electrode(ORP)
Input range: 0 ~ 14pH or -1.500 ~ 1.500V (ORP)
Output range: Programmable, 4pH in span min. (0.5V at ORP) 1pH increment (0.1V at ORP)
Output: 4 ~ 20mA DC isolated, 600Ω max.
Display: 4 digits, 7 segments LED, dual
Linearity: ± 0.03pH (± 3mV) or ± 0.3% whichever larger
Repeatability: ± 0.01pH (± 1mV) or ± 0.1 % whichever larger
Alarm: Up to 4 high or low alarms
Number of set points: 4 max.
Set point range: 0 ~ 14pH (-1.5 ~ 1.5V)
Output relay: Form-A, 250VAC 0.5A
Hysteresis adjustment: 0 ~ 14pH (-1.5 ~ 1.5V)
ON delay timer: 0 ~ 300 sec.
Diagnostics output: 1 Form-A, 250VAC 0.5A
Self diagnostics: Low pH 0.00pH and below, high pH (Error detection) 14.00pH and above, low temp. -25°C and below, high temp. 150°C and above, buffer standard and compensation curve
Temperature compensation: 0 ~ 100°C
Temp.sensor: Pt1000 (standard)
500Ω, 6.8kΩ, 10kΩ, 20kΩ
Butter calibration: JIS pH standard solution, auto-calibration or manual-calibration
Output hold: Programmable, at output, alarm contact and error contact
Shift function: 0.01 pH increments within ± 2.0pH
0.1°C increments within ± 5.0°C
Case structure: IP65 (only front panel)



Operation conditions: -10 ~ 50°C, 90%RH max.

Power supply voltage: 85 ~ 264VAC, 45 ~ 65Hz

Power consumption: 6VA @ 100VAC

Weight: Approx. 0.5 kg

OPTION

Communication interface module: RS-232C or RS-422A

Rate: 9600, 4800, 2400 1200, 600 or 300bps

Interrupter: 0 ~ 600 sec. replaces alarm 1 to 4

Operation: High or Low

Cycle time: 0 ~ 600 sec.

On time: 0 ~ 600 sec.

On delay timer: 0 ~ 300 sec.

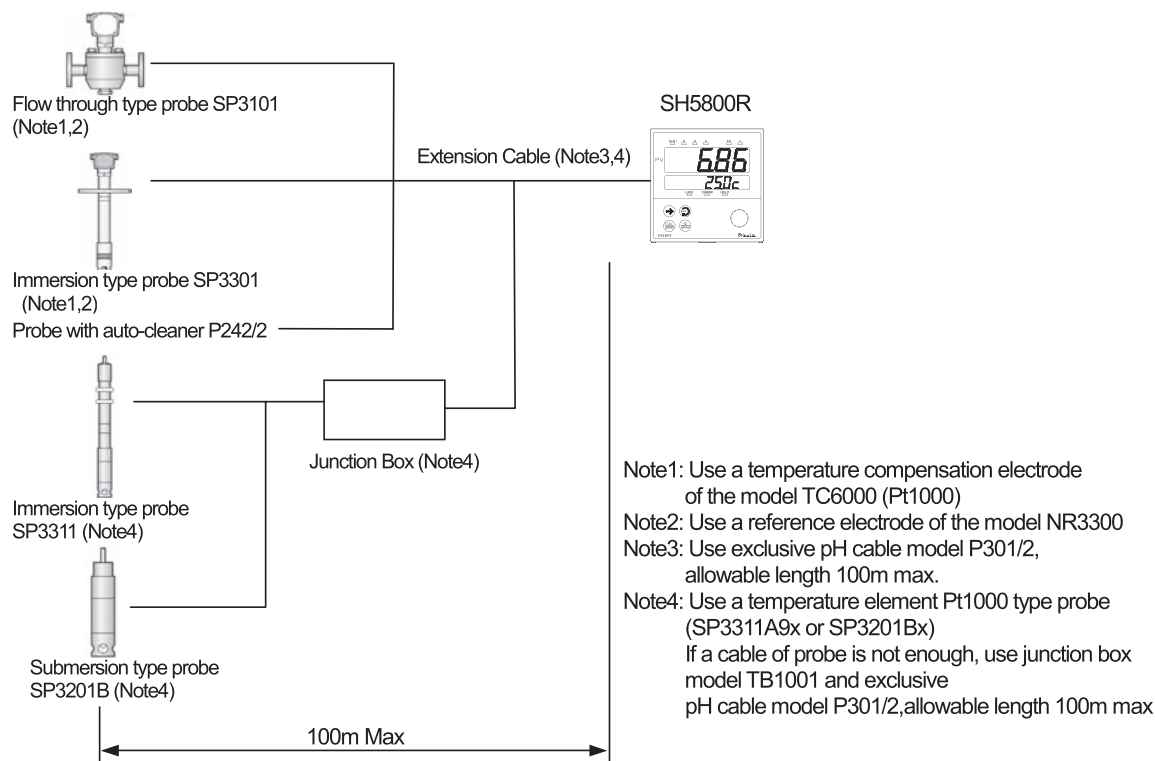
Solution temp. compensation: 0.000-0.050pH/°C for high purity water

Dust protection cover: Installed on rear terminal panel

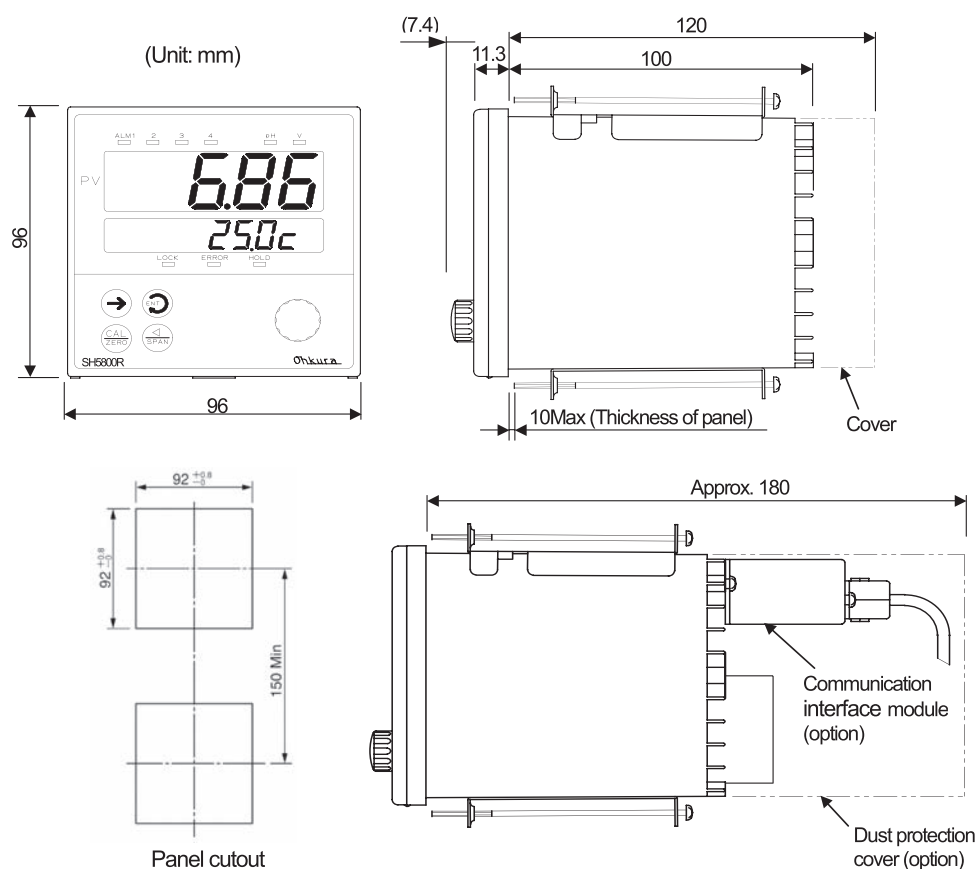
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PROBE & ANALYZER CONNECTION OVERVIEW



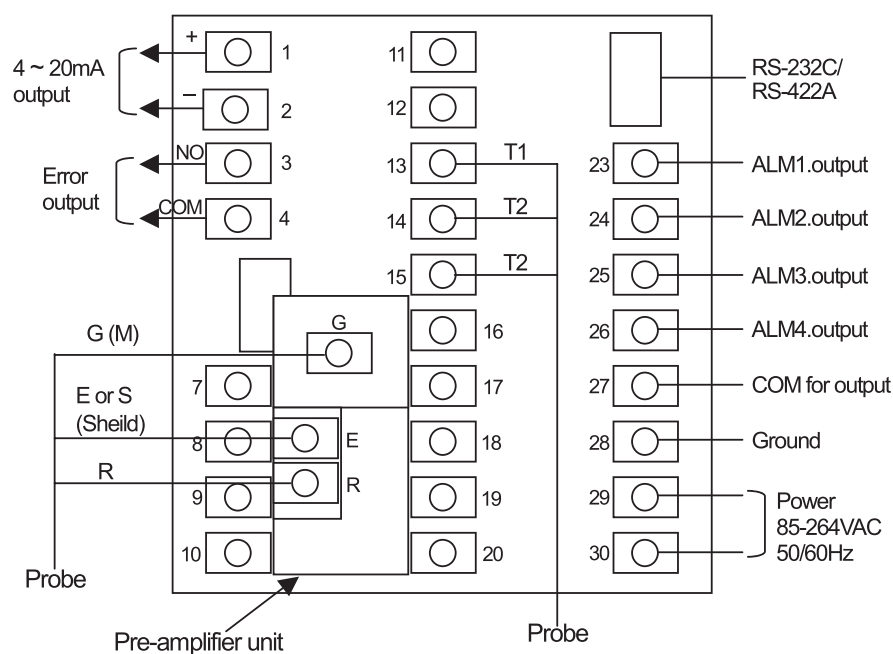
DIMENSIONS



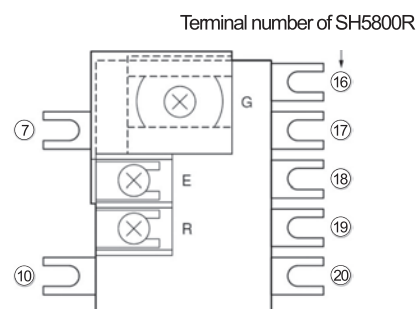
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TERMINAL ARRANGEMENT



Pre-amplifier unit is installed using terminal 16 ~ 20, 7, and 10.

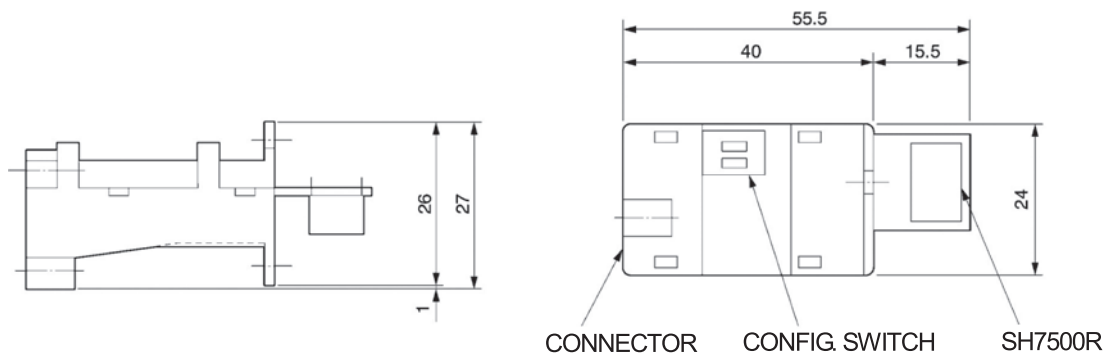


Note: All of terminals have electrical connection inside.

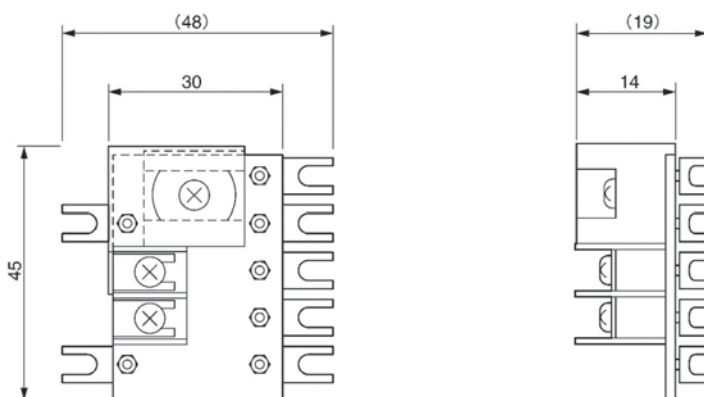
MODEL CODE NUMBER

MODEL	DESCRIPTION		
SH58	Digital pH(ORP) analyzer		
INPUT	01R	Glass electrode	
	02R	ORP electrode	
	03R	Antimony electrode	
COMMUNICATION MODULE	0	No communication module	
	1	RS232C i communication interface module (ZE7101A0106) included	
	2	RS422A i communication interface module (ZE7101A0206) included	
INTERRUPTER	0	No interrupter	
	1	Installed	
SOLUTION TEMPERATURE COMPENSATION	0	None	
	1	Installed	
OPTIONAL ACCESSORIES	0	None	
	1	Dust protection cover, terminal	

COMMUNICATION INTERFACE MODULE



PRE-AMPLIFIER UNIT (P/N HMSU3186A01)



JUNCTION BOX (TYPE TB1001)

