

# Laboratory pH/mV/Temp. Meter

**Model SP-2100**



## Features:

- 💧 Microprocessor control with human engineering design
- 💧 Auto self-test function, error code indication
- 💧 Large LCD display with backlight function
- 💧 Temperature compensation with PT-1000 or NTC probe with auto recognition and temperature correction function
- 💧 Auto-Read function
- 💧 Two kinds of calibration:
  - ★ Built-in TECH. Buffer automatic recognition, up to 3-point auto calibration, showing offset and slope after calibration
  - ★ Manual knob-adjustment calibration
- 💧 RS-232 interface compatible with MODBUS protocol



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## Model SP-2100

### Specifications:

Model		SP-2100
Range	pH	-2.00~+16.00 pH
	mV	-1999~+1999 mV
	Temp.	-10.0~100.0°C
Resolution	pH	0.01 pH
	mV	1 mV
	Temp.	0.1°C
Accuracy	pH	±0.01 pH (±1 Digit)
	mV	±0.05 % (±1 Digit)
	Temp.	±0.2°C (±1 Digit)
Auto-Read		Yes
Temperature compensation		PT-1000 or NTC 30K probe with auto recognition and temperature correction function -30.0~ +130.0°C manual adjustment
Calibration		Built-in Tech Buffers automatic recognition, up to 3-point auto calibration, showing offset and slope after calibration Manual knob-adjustment dual points calibration
Display		Large LCD display with backlight function
Impedance input		>10 <sup>12</sup> Ω
Ambient temperature		0~50°C
Storage temperature		-20~+70°C
Interface		RS 232 ( PRINT / MODBUS-RTU )
Power supply		4 AA batteries or 6V DC Adaptor (100~240VAC, 50/60Hz )
Power consumption		1W max.
Dimensions		220 mm×190mm×70mm (L×W×H)
Weight		0.8 Kg

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

### Standard accessories:

Meter SP-2100.....	1
ATC probe.....	1
Flexible electrode holder.....	1
Buffer solution pH 7.00 500ml.....	1
pH 4.00 500ml.....	1
AA battery.....	4
AC/DC (110 or 220V) adaptor.....	1
Instruction manual.....	1

### Optional accessories:

pH combination electrode
ORP combination electrode
Buffer solution pH 10.00
3M KCl
RS-232 cable



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