

# S-620 Precise pH/Conductivity Meter

Suitable for high precision pH/conductivity measurements in scientific research, quality control, biotechnology and fine chemistry industry.



## Main Features

- 6.5 inch LCD screen which is intuitive and can show more parameters. Humanized design of operating interface makes operations simpler.
- Omron long lasting and light touch panel can be used more than 100,000 times.
- Auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- Built-in big memory can store 150 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- Auto recognition of standard pH buffer solutions and there are three kinds of standard buffer for option: USA series, NIST series and China series.
- Optional Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to cell phone via wireless Bluetooth.
- Auto recognition of eight kinds of standard conductivity solution and there are two series of standard solution for option: USA series and China series.
- Adopt advanced conductivity measurement technology, one point calibration of conductivity electrode can meet the measuring accuracy requirements for test  $0.5\mu\text{S}/\text{cm} \sim 200\text{mS}/\text{cm}$ .
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof.



## Specifications

MODEL	S-620	
pH	Measuring range	(-2.00 ~ 18.00) pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.02 pH
	Input current	≤2×10 <sup>-12</sup> A
	Input impedance	≥1×10 <sup>12</sup> Ω
	Stability	±0.01 pH/3h
	Temp compensation	(0 ~ 100)°C (auto or manual)
mV	Measuring range(mV/ORP/EH)	-1999.9mV ~ 0~1999.9mV
	Resolution	1mV
	Accuracy	±0.1%FS
Conductivity	Measuring range	Conductivity: (0.00~20.00) µS/cm (20.0~200.0) µS/cm (200~2000) µS/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10) Resistivity: (0~100) MΩ·cm TDS: (0 ~100) g/L Salinity: (0~100) ppt
	Resolution	0.01/0.1/1µS/cm 0.01/0.1/1 mS/cm
	Accuracy	Electrode: ±0.5% FS, Instrument: ±0.80%FS
	Temp. compensation range	(0~100)°C (auto)
	Electrode constant	0.1/1/10 cm <sup>-1</sup>
	Measuring range	0°C~100°C
	Resolution	0.1°C
Temperature	Accuracy	5 ~ 60°C: ±0.4°C Others: ±0.8°C
	Data storage	150 sets
	Power requirements	DC 12V/1A
Other Technical Parameters	Communication	Bluetooth, USB
	Size&Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5 ~ 35 °C
	Ambient humidity	≤85%
	IPgrade	IP54

1.S-620 Benchtop meter	1 unit	5.Conductivity electrode	1 pc
2.Composite pH electrode	1 pc	6.12V power adapter	1 pc
3.Rotary electrode holder	1 pc	7.User manual	1 copy
4.pH calibration buffer	1 set		