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## Многопараметрический измеритель S-620



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 500 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.

- With optional Bluetooth module and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to cell phone via 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  $0.5\mu\text{ S/cm} \sim 200\text{mS/cm}$ .
- 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 dust

## Specifications

pH	Measuring range Resolution Accuracy Input current Input impedance Stability Temp compensation	(-2.00 ~ 18.00)pH 0.1/0.01 pH $\pm 0.02\text{pH}$ $\leq 2 \times 10^{-12}\text{ A}$ $\geq 1 \times 10^{12}\ \Omega$ $\pm 0.01\text{pH}/3\text{h}$ (0 ~ 100) $^{\circ}\text{C}$ (auto or manual)
mV	Measuring range Resolution Accuracy	-1999.9mV ~ 0 ~ 1999.9mV 1mV $\pm 0.1\% \text{ FS}$
Conductivity	Measuring range  Resolution Accuracy Temp. compensation range Electrode constant	Conductivity: (0.00~20.00) $\mu\text{S/cm}$ (20.0~200.0) $\mu\text{S/cm}$ (200~2000) $\mu\text{S/cm}$ (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm(K=10) Resistivity: (0 ~ 100) $\text{M}\Omega \cdot \text{cm}$ TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt 0.01/0.1/1 $\mu\text{S/cm}$ 0.01/0.1/1 mS/cm Electrode: $\pm 0.5\% \text{ FS}$ , Instrument: $\pm 0.80\% \text{ FS}$ (0 ~ 100) $^{\circ}\text{C}$ (auto) 0.1/1/10 $\text{cm}^{-1}$
Temperature	Measuring range Resolution Accuracy	0 $^{\circ}\text{C}$ ~ 100 $^{\circ}\text{C}$ 0.1 $^{\circ}\text{C}$ 5~ 60 $^{\circ}\text{C}$ : $\pm 0.4^{\circ}\text{C}$ Others: $\pm 0.8^{\circ}\text{C}$
Other Parameters	Data storage Power requirements Communication connectors Size & Weight	500 sets DC12V/1A Bluetooth, USB 270 × 170 × 70mm/600g
Working Conditions	Ambient temperature Ambient humidity IP grade	(5 ~ 35) $^{\circ}\text{C}$ $\leq 85\%$ IP54

## Standard Configurations

1. S-620 Benchtop meter	1 unit
2. Composite pH electrode	1 pc
3. Rotary electrode holder	1 pc
4. pH calibration buffer	1 set
5. Conductivity electrode	1 pc
6. 12V power adapter	1 pc
7. User manual	1 copy

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