

# S-621 Precise pH/DO Meter

Precise measurements of pH/DO in fields of biotechnology, aquaculture, power plant and environmental protection, and also more widely used in areas of education and scientific research.



## 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.
- Do mode has functions of ATC, auto salinity compensation and auto pressure compensation.
- New structure polarographic DO electrode can measure temperature, salinity and dissolved oxygen simultaneously, equipped with special DO electrode calibration sleeve, only need 3~5 minutes for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Optional Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to cell phone via wireless Bluetooth.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 waterproof and dustproof.



## Specifications

MODEL	T-721	
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)℃ (auto or manual)
mV	Measuring range(mV/ORP/EH)	-1999.9mV ~ 0 ~ 1999.9mV
	Resolution	1mV
	Accuracy	±0.1% FS
Dissolved Oxygen	Measuring range	(0 ~ 20.00) mg/L(ppm)(0 ~ 200.0)%
	Resolution	0.1/0.01 mg/L(ppm) 1/0.1%
	Accuracy	±0.3%, ±0.40 mg/L
	Response time	≤30 s (25℃, 90% response)
	Residual current	≤0.1 mg/L
	Temp compensation range	(0 ~ 100)℃ (automatic)
	Salinity compensation range	(0 ~ 45) ppt (automatic)
	Air pressure compensation	(80 ~ 105) kPa (automatic)
	Electrode type	Polarographic
	Measuring range	0℃~ 100℃
Temperature	Resolution	0.1℃
	Accuracy	5 ~ 60℃: ±0.4℃ Others: ±0.8℃
	Data storage	150 groups
Other Technical Parameters	Power requirements	DC 12V/1A
	Communication connectors	Bluetooth, USB
	Size&Weight	240 × 170 × 70mm/600g
Working Conditions	Temperature	5 ~ 35 ℃
	Ambient humidity	≤85%
	IP grade	IP54

## Standard Configuration

1. S-621 Benchtop pH/DO meter	1 unit	2. Composite pH electrode	1 pc
3. Rotary electrode holder	1 pc	4. pH calibration buffer	1 set
5. Dissolved Oxygen Electrode	1 pc	6. Membrane cap(for DO electrode)	3 pcs
7. DO electrode electrolyte (30mL)	1 bottle	8. 12V power adapter	1 pc
9. User manual	1 copy		