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Россия (495)268-04-70

Казахстан (772)734-952-31

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## Многопараметрический измеритель S-623



For high-precision measurements of the conductivity/DO in laboratory. Widely used in the fields of biotechnology, aquaculture, power plants and environmental protection.

### 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 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 $\mu$  S/cm ~ 200mS/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.
- 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 module and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing

## Specifications

Conductivity	Measuring range  Resolution Accuracy Temp compensation Electrode constant Reference temperature	Conductivity: (0.00~20.00) $\mu$ S/cm (20.0~200.0) $\mu$ S/cm (200~2000) $\mu$ S/cm (2.00~20.00) mS/cm (20.0~200.0) mS/cm (200~2000) mS/cm (K=10) Resistivity: (0 ~ 100) M $\Omega$ ·cm TDS: (0 ~ 100) g/L Salinity: (0 ~ 100) ppt Electrode: $\pm$ 0.5% FS, Instrument: $\pm$ 0.80%FS (0 ~ 100) $^{\circ}$ C (automatic)  0.1/1/10cm <sup>-1</sup> 25 $^{\circ}$ C, 20 $^{\circ}$ C, 18 $^{\circ}$ C
DO	Measuring range Resolution Accuracy Response time Residual current Temperature compensation Salinity compensation Pressure compensation Automatic calibration Electrode type	(0 ~ 20.00) mg/L(ppm), (0 ~ 200.0)% 0.1/0.01 mg/L(ppm), 1/0.1 % $\pm$ 0.40 mg/L $\leq$ 30s (25 $^{\circ}$ C, 90% response) $\leq$ 0.1 mg/L (0 ~ 100) $^{\circ}$ C (automatic) (0 ~ 45) ppt (automatic) (80 ~ 105) kPa (automatic) Air saturated by water, water saturated by air Polarographic
Temperature	Measuring range Resolution Accuracy	0 $^{\circ}$ C~ 100 $^{\circ}$ C 0.1 $^{\circ}$ C 5~ 60 $^{\circ}$ C: $\pm$ 0.4 $^{\circ}$ C Others: $\pm$ 0.8 $^{\circ}$ C
Other Parameters	Data storage Power Communications Dimensions & Weight	500 groups DC12V/1A USB, wireless Bluetooth 270 $\times$ 170 $\times$ 70mm/600g
Working Conditions	Ambient temperature Ambient humidity IP grade	10 ~ 30 $^{\circ}$ C $\leq$ 85% IP54

## Standard Configuration

1. S-623 conductivity/DO met	1 unit
2. Composite conductivity electro	1 pc
3. Rotary electrode hold	1 pc
4. Composite DO Electro	1 pc
5. DO electrode c	3 pcs
6. DO electrode electrolyte (30m	1 bottle
7. 12V power adapt	1 pc
8. User manual	1 copy

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