



Multi-parameter analyzer for high precision measurement in laboratory covering 9 kinds of electrochemical parameters like pH, conductivity and dissolved oxygen. Suitable for the fields of petroleum, chemical, pharmacy, power plants and environmental protection, and also 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.
- 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.
- 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	S-630		
pH	Measuring range	(-2.00 ~ 18.00) pH	
	Resolution	0.1/0.01 pH	
	Accuracy	±0.02 pH	
	Input current	≤2×10 ⁻¹² A	
	Input impedance	≥1×10 ¹² 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, Instruments: ±0.80%FS
	Temp compensation	(0 ~ 100) °C (automatic)	
	Electrode constants	0.1/1/10 cm ⁻¹	
	Reference temperature	25 °C, 20 °C, 18 °C	
	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		≤30s (25 °C, 90%response)	
Residual current		≤0.1 mg/L	
Temp compensation		(0 ~ 100) °C (automatic)	
Salinity compensation		(0 ~ 45) ppt (automatic)	
Pressure compensation		(80 ~ 105) kPa (automatic)	
Automatic calibration		Air saturated by water; water saturated by air	
Electrode type		Polarographic	
Temperature	Measuring range	0 °C ~ 100 °C	
	Resolution	0.1 °C	
	Accuracy	5~ 60 °C: ±0.4 °C Others: ±0.8 °C	
Other Parameters	Data storage	150 groups	
	Power requirements	DC12V/1A	
	Communications	USB, Wireless Bluetooth	
	Dimensions & Weight	240 × 170 × 70mm/600g	
Working Conditions	Ambient temperature	5 ~ 35 °C	
	Ambient humidity	≤85%	
	IP grade	IP54	

Standard Configuration

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|--------------------------------------------|--------|-----------------------------------|----------|
| 1. S-630 benchtop multi-parameter analyzer | 1 unit | 6. Dissolved Oxygen Electrode | 1 pc |
| 2. Composite pH electrode | 1 pc | 7. Membrane cap(for DO electrode) | 3 pcs |
| 3. Rotary electrode holder | 1 pc | 8. DO electrode electrolyte(30ml) | 1 bottle |
| 4. pH calibration buffer | 1 set | 9. 12V power adapter | 1 pc |
| 5. Conductivity electrode | 1 pc | 10. User manual in USB | 1 copy |