

# T-723 Precise Conductivity/DO Meter

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

- 7inch color capacitive screen with high resolution (1024\*600) and sensitivity, which can show more parameters, more intuitive and simpler to read data.
- Auto calibration, auto temperature compensation, data storage, USB data export, clock, wireless printing, function setup, smart self-diagnosis and other intelligent functions.
- English and Chinese operating system(or custom Language according to specific requirements), humanize design with adjustable screen brightness.
- Built-in big memory can store 300 sets of test data which can be saved and transferred to USB flash drive and opened with Excel, very easy and convenient for edit.
- 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 min for polarization.
- Combined diaphragm cap makes it extremely convenient to replace the sensitive membrane just by screwing the new cap to the electrode.
- Auto recognition of 8 kinds of standard conductivity solutions and there are two series of standard solutions for option: USA series and China series.
- Able to switch between conductivity, TDS, salinity and resistivity. Multinomial calculation for TDS and salinity to ensure the conversion precision of the full scale.
- With optional Bluetooth block and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via wireless Bluetooth.
- IP54 dustproof and waterproof housing.

## Specifications

MODEL		T-723
Conductivity	Measuring range	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) $\text{mS/cm}$ (20.0~200.0) $\text{mS/cm}$ (200~2000) $\text{mS/cm}$ (K=10) Resistivity: (0 ~100) $\text{M}\Omega\cdot\text{cm}$ TDS: (0 ~100) $\text{g/L}$ Salinity:(0 ~100) ppt
	Resolution	0.01/0.1/1 $\mu\text{S/cm}$ 0.01/0.1/1 $\text{mS/cm}$
	Accuracy	Electrode: $\pm 0.5\%$ FS, Instrument: $\pm 0.80\%$ FS
	Temp compensation	(0 ~100) $^{\circ}\text{C}$ (automatic)
	Electrode constant	0.1/1/10 $\text{cm}^{-1}$
	Reference temperature	25 $^{\circ}\text{C}$ , 20 $^{\circ}\text{C}$ , 18 $^{\circ}\text{C}$
Dissolved Oxygen	Measuring range	(0 ~20.00) $\text{mg/L(ppm)}$ , (0 ~200.0)%
	Resolution	0.1/0.01 $\text{mg/L(ppm)}$ , 1/0.1 %
	Accuracy	$\pm 0.3\%$ , $\pm 0.40$ $\text{mg/L}$
	Response time	$\leq 30\text{s}$ (25 $^{\circ}\text{C}$ , 90% response)
	Residual current	$\leq 0.1$ $\text{mg/L}$
	Temperature compensation	(0~100) $^{\circ}\text{C}$ (automatic)
	Salinity compensation	(0~45) ppt (automatic)
	Pressure compensation	(80~105) $\text{kPa}$ (automatic)
	Automatic calibration	Air saturated by water, water saturated by air
	Electrode type	Polarographic
Temperature	Measuring range	-10 $^{\circ}\text{C}$ ~110 $^{\circ}\text{C}$
	Resolution	0.1 $^{\circ}\text{C}$
	Accuracy	5~60 $^{\circ}\text{C}$ : $\pm 0.4$ $^{\circ}\text{C}$ Others: $\pm 0.8$ $^{\circ}\text{C}$
Other Technical Parameters	Data storage	300 groups
	Storage contents	Measurement series number, measuring value, temperature, ATC or MTC status, date and time
	Power requirements	DC12V/1A
	Communication	Bluetooth, USB
	Size&Weight	240×170×70mm/600g
Working Conditions	Ambient temperature	10~30 $^{\circ}\text{C}$
	Ambient humidity	$\leq 85\%$
	IP grade	IP54

## Standard Configuration

1. Benchtop conductivity/DO meter	1 unit	2. Rotary electrode holder	1 pc
3. Conductivity electrode with ATC	1 pc	4. Membrane cap	3 pcs
5. Dissolved Oxygen Electrode	1 pc	6. 12V power adapter	1 pc
7. DO electrode electrolyte (30ml)			1 bottle
8. Brief operating manual (soft copy in USB)			1 copy