

T-730 pH/mV/Conductivity/DO Meter

Multi-parameter analyzer for high precision measurement in laboratory covering 10 kinds of electrochemical parameters like pH, conductivity and dissolved oxygen. Suitable for the fields of petroleum, chemical, pharmacy, power plants and environmental protection, also widely used in areas of education and scientific research.



Main Features

- 7 inch 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, humanized 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.
- Auto recognition of standard pH buffers. And there are three series of buffer solutions for option: USA series, NIST series, China series.
- 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.
- DO measurement is polarographic and suggested to be used with our magnetic stirrer or other appropriate models chosen by customers.

Specifications

MODEL		T-730
pH	Measuring range	(-1.99~19.99) pH
	Resolution	0.1/0.01 pH
	Accuracy	±0.02 pH
	Input current	≤1×10 ⁻¹² A
	Input impedance	≥1×10 ¹² Ω
	Stability	±0.01pH/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
	Temperature 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	-10 °C~110 °C
	Resolution	0.1 °C
	Accuracy	5~60 °C: ±0.4 °C Others: ±0.8 °C
Other Technical Parameters	Data storage	300 groups
	Storage contents	Measurement series number, measuring value, temperature, ATC or MTC status, date and time
	Power	DC12V/1A
	Communications	USB, wireless Bluetooth
	Size & Weight	240 × 170 × 70mm/600g
Working Conditions	Ambient temperature	5~35 °C (grade 0.01)
	Ambient humidity	≤85%
	IPgrade	IP54