

# T-720 Precise PH/Conductivity Meter



Suitable for high precision pH/conductivity measurements in scientific research, quality control, biotechnology and fine chemistry industry.

## 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 1000 sets of test data which can be saved and transferred to USB and opened with Excel, very easy and convenient for edit.
- Auto recognition of 8 kinds of standard conductivity solutions and there are two series of standard solutions for option: USA series and China series.
- With standard Bluetooth module and support wireless Bluetooth printing to make operations much easier for users. Optional data transmission to PC and cell phone via Bluetooth.

- 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.
- Auto recognition of standard pH buffers. There are three series of standard buffer solutions for option: USA, NIST and China series.
- Smart judge of electrode status to ensure accurate use for operators.
- IP54 dustproof and waterproof housing.

## Specifications

|              |   |   |
|--------------|---|---|
| pH           | Measuring range<br>Resolution<br>Accuracy<br>Input current<br>Input impedance<br>Stability<br>Temp compensation | (-1.99 ~ 19.99) pH<br>0.1/0.01 pH<br>$\pm 0.02\text{pH}$<br>$\leq 1 \times 10^{-12}\text{ A}$<br>$\geq 1 \times 10^{12}\ \Omega$<br>$\pm 0.01\text{ pH}/3\text{h}$<br>(0 ~ 100) $^{\circ}\text{C}$ (auto or manual)   |
| mV           | Measuring range<br>Resolution<br>Accuracy   | -1999.9mV ~ 0 ~ 1999.9mV<br>1mV<br>$\pm 0.1\% \text{ FS}$   |
| Conductivity | Measuring range<br>Resolution<br>Accuracy<br>Temp. compensation range<br>Electrode constant                     | Conductivity:<br>(0.00~20.00) $\mu\text{S/cm}$ (20.0~200.0) $\mu\text{S/cm}$<br>(200~2000) $\mu\text{S/cm}$ (2.00~20.00)mS/cm<br>(20.0~200.0)mS/cm (200~2000)mS/cm(K=10)<br>Resistivity: (0 ~ 100) $\text{M}\Omega \cdot \text{cm}$ TDS: (0 ~ 100) g/L<br>Salinity: (0 ~ 100) ppt<br>0.01/0.1/1 $\mu\text{S/cm}$ 0.01/0.1/1mS/cm<br>Electrode: $\pm 0.5\% \text{ FS}$ , Instrument: $\pm 0.80\% \text{ FS}$<br>(0 ~ 100) $^{\circ}\text{C}$ (auto)<br>0.1/1/10 $\text{cm}^{-1}$ |
| Temperature  | Measuring range<br>Resolution<br>Accuracy   | -10 $^{\circ}\text{C}$ ~ 110 $^{\circ}\text{C}$<br>0.1 $^{\circ}\text{C}$<br>5~ 60 $^{\circ}\text{C}$ : $\pm 0.4^{\circ}\text{C}$ Others: $\pm 0.8^{\circ}\text{C}$   |



|                    |                          |                       |
|--------------------|--------------------------|-----------------------|
| Other Parameters   | Data storage             | 1000 sets             |
|                    | Power requirements       | DC12V/1A              |
|                    | Communication connectors | Bluetooth, RS232,USB  |
|                    | Dimensions & Weight      | 240 × 170 × 70mm/600g |
| Working Conditions | Ambient temperature      | 5 ~ 35 °C             |
|                    | Ambient humidity         | ≤85%                  |
|                    | IP rating                | IP54                  |

## Standard configuration

- |   |        |
|---|--------|
| 1. T-720 pH/conductivity meter            | 1 unit |
| 2. Composite pH electrode                 | 1 pc   |
| 3. Conductivity electrode                 | 1 pc   |
| 4. Rotary electrode holder                | 1 pc   |
| 5. pH buffer(pH4.00, pH6.86, pH9.18/50mL) | 1 set  |
| 6. 12V power adapter for instrument       | 1 pc   |
| 7. Instruction manual                     | 1 copy |