

## 1. Picture show of Osmometer



## 2. Features of Osmometer

Color touch LCD screen, integrated fashion design, easy operation.

\*On-screen display of molar concentration, freezing point, and osmolarity.

\*With dual cooling system, the pre-cooling time is short, the detection speed is fast, and continuous detection is convenient.

\*The probe automatically moves up and down, which is convenient and quick.

\*Less sample size, to meet the needs of different areas of testing.

\*Calibrate any concentration of calibration solution to fit the measurement curve perfectly and ensure measurement accuracy.

\*The cooling system is designed with no heat transfer fluid to eliminate frequent maintenance.

\*Built-in "Chinese Pharmacopoeia" hundreds of injection drug name, to facilitate the pre-specification of sample data.

\*Microcomputer control, with automatic data processing and storage function, can choose multiple printing formats.

\*With the authority management function to ensure data security, the computer and laboratory platform can be connected via RS232 interface to achieve data sharing.

## 3. Technical Parameters of Osmometer

Measuring Range	0~3000 mOsmol/kg H <sub>2</sub> O
Sample Quantity	50 $\mu$ l (50 $\mu$ l~100 $\mu$ l)
Testing Time	< 1.5min
Pre-cooling Time	< 3min

Repeatability	RSD $\leq$ $\pm$ 1% (300 mOsmol/kg)
Accuracy	$\pm$ 2 mOsmol /kg ( $\leq$ 400 mOsmol /kg)
	$\pm$ 1% ( > 400 mOsmol /kg)
Resolution	1 mOsmol /kg
Linearity	< 1 %line
Ambient Temperature	10~30 $^{\circ}$ C
Environment Humidity	5~80%
Power Supply	AC 220V $\pm$ 10%;50HZ;<80W
External Size (W*D*H)	250 $\times$ 250 $\times$ 370mm