Professional Solution Provider of Laboratory/Pharma Equipment

Water Purif ication System	*Biofermentation Solution*	*Glassware Washer*
Freeze Dryer/Lyophilizer	*Shaking Incubator/Shaker*	*Incubator*
Biosafety Cabinet/Laminar Flow	*Cold Storage Solution*	*Climate Chamber*

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The passion for science

Moore Osmotic Concentraion Tester

www.innovabiomed.com

INNOVA Moore Osmotic Concentration Tester is an instrument used to measure the osmotic pressure or molar concentration of solutions and various bodily fluids.

Suitable for analyzing and detecting the osmotic pressure and molar concentration of intravenous infusion and spinal injection, eye drops, blood, urine, and other osmotic pressures in injections.

In the food industry, the osmotic molar concentration meter can be used to detect the solute concentration in food. By measuring the osmotic pressure in food, we can judge the quality and freshness of food, and detect the concentration of additives and preservatives in food.

Advantages:

- Android system, upgradeable
- Low sample consumption
- Rapid cooling system,shortest analysis duration
- Semiconauctor refrigeration，maintenance free
- Automatic probe lifting
- Automatic data processing &output(printer&USB&RS232)

IMOC-30S Moore Osmotic Concentration Tester

Main Features:

1. Touch screen,user friendly UI design.
2. Microprocessor, automatic data processing, high data storage capacity.
3. Precise temperature sensor,freezing point depression principle,high measurement accuracy and stability good consistency.
4. All needed data: moore osmotic pressure concentration, freezing point and moore concentration ratio.
5. Low sample consumption, meeting various applications.
6. Calibration at any concentration, perfectly fitting the measurement curve, optimizing calculations to ensure measurement accuracy.
7. Semiconductor refrigeration，maintenance free.
8. Dual refrigeration system with shortest pre-refrigerating duration.
9. Standard with printer, various print format is available.
10. RS232 interface, convenient data output.
11. Datalogging in specific format through USB interface.

Main Parameters:

Detection Range:	0～3000 mOsmol/kg H_2O
Sample Volume:	50μl
Detection Time:	< 1min 30sec
Pre-Refrigerating Time:	≤ 3min
Repeatability:	RSD≤1% (300 mOsmol/kg)
Accuracy:	±2.0 mOsmol /kg (≤ 400 mOsmol /kg), ±1.0% (> 400 mOsmol /kg)
Resolution:	1mOsmol/kg
Linearity:	< 1 %
Environmental Temperature:	10～30℃
Environmental Humidity:	5～80%
Power:	AC 220V ±10% 80W
External Dimension:	230×210×360mm
Datalogging:	printer(standard),RS232 interface for data sharing, USB interface

IMOC-30FS Moore Osmotic Concentration Tester

Main Features:

1. Android system, plenty data storage, automatic data statistical analysis function.
2. Turntable system, probe automatic lifting, to achieve multi-sample detection, convenient for continuous and group detection.
3. All needed data: moore osmotic pressure concentration, freezing point and moore concentration ratio.
4. Low sample consumption, meeting various applications.
5. Calibration at any concentration, perfectly fitting the measurement curve, optimizing calculations to ensure measurement accuracy.
6. Semiconductor refrigeration， maintenance free.
7. Dual refrigeration system with shortest pre-refrigerating duration.
8. Standard with printer, various print format is available.
9. RS232 interface, convenient data output.
10. Datalogging in specific format through USB interface.

Main Parameters:

Detection Range:	0～3000 mOsmol/kg H_2O
Detection Quantity:	1-20
Sample Volume:	60μl optimal（range:50μl～100μl）
Detection Time:	1min 30sec（one-time）
Pre-Refrigerating Time:	≤ 3 min
Repeatability:	RSD≤1% (300 mOsmol/kg)
Accuracy:	±2.0 mOsmol /kg (≤ 400 mOsmol/kg),±1.0% (> 400 mOsmol/kg)
Resolution:	1 mOsmol/kg
Linearity:	< 1 %
Environmental Temperature:	5～35℃
Environmental Humidity:	5～80%
Power:	AC 220V ±10% 80W
External Dimension:	280×443×434mm
Datalogging:	printer(standard),RS232 interface for data sharing, USB interface

Comparison Sheet:

Parameters	IMOC-30S Moore Osmotic Concentration Tester	IMOC-30FS Moore Osmotic Concentration Tester
Detection Range:	0～3000 mOsmol/kg H_2O	
Detection Quantity:	1	1-20
Sample Volume:	50μl	60μl optimal (range:50μl～100μl)
Detection Time:	< 1.5min	
Pre-Refrigerating Time:	≤ 3min	
Repeatability:	RSD≤1% (300 mOsmol/kg)	
Accuracy:	±2.0 mOsmol /kg (≤ 400 mOsmol /kg) ±1.0% (> 400 mOsmol /kg)	
Resolution:	1 mOsmol /kg	
Linearity:	< 1%	
Environmental Temperature:	10～30℃	5～35℃
Environmental Humidity:	5～80%	
Power:	AC 220V ±10% 80W	
External Dimension:	230×210×360mm	280×443×434mm