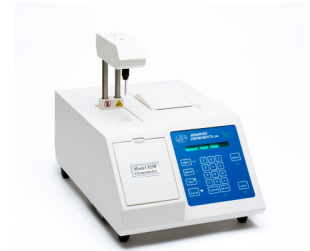


How to Select the Appropriate Osmometer - Biotech & Industry

It's easy to select the best osmometer for your laboratory needs

There are a variety of factors that go into choosing the right osmometer including the number of samples tested daily and the required level of automation. No matter which instrument you choose, all Advanced Instruments Osmometers utilize **Freezing Point Technology** which is considered the "Gold Standard" osmolality determination method.

All models support
Pharmacopeia testing
guidelines compliance



Osmometer-
Biotech & Industry:

A₂O[®] Advanced
Automated
Osmometer

OsmoTECH[®] PRO
Multi-Sample
Micro-Osmometer

OsmoTECH[®]
Single-Sample
Micro-Osmometer

Model 3250
Single-Sample
Osmometer

Workflow Features				
Best for labs with daily sample processing needs of	>10/day	>10/day	1-10/day	1-10/day
Sample volume	100 µL	30 µL	20 µL	250 µL
Sample introduction	Automated liquid handling sample cup	Sample cup	One-step direct	Sample cup
Operating range (mOsm/kg H ₂ O)	0-4,000	0-2,000	0-2,000	0-4,000
Test time (seconds)	180	90	90	120
Compliance Support Features				
Supports 21 CFR Part 11 & EU Annex 11 compliance		●	●	
Supports pharmacopeia testing guidelines compliance	●	●	●	●
Instrument Features				
Integrated barcode scanner	●	●	●	● ¹
Printer	●	● ²	● ²	●
Multi-language, touchscreen display	●	●	●	
Username & password capability	●	●	●	
Multi-sample capacity	●	●		
Automated cleaning between samples	●	●		
Automated sample pipetting	●			
Temperature control method	Dry cooling (No heat-transfer fluid)	Dry cooling (No heat-transfer fluid)	Dry cooling (No heat-transfer fluid)	Heat-transfer fluid
Data Management Features				
TCP/IP	●	●	●	
USB	●	●	●	
Webserver		●	●	
OPC-UA, Network share		●	●	
Database backup		●	●	
DTE RS-232, Barcode port				●
Part #	A2O	OsmoTECH PRO	OsmoTECH	3250

¹ Sold separately

² Printer (dot-matrix) is sold separately