

How to Select the Appropriate Advanced Osmometer

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

Most decisions are made based on the daily sample volume and the required level of automation. No matter which instrument you choose, all Advanced Osmometers utilize **Freezing Point Technology** which is considered the “Gold Standard” osmolality determination method in the clinical laboratory setting.



Osmometer	Osmo1 Single-Sample Micro-Osmometer	OsmoPRO Multi-Sample Osmometer	A ₂ O Automated Osmometer	Advanced 3250 Osmometer	Fiske 210 Osmometer
Sample Capacity	Single-Sample	Multi-Sample 20 Position	Fully Automated 20 Position	Single-Sample	Single-Sample
Sample Size	20 µL	20 µL	100 µL	250 µL	20 µL
Sample Introduction	One-Step Direct Sampling	Sample Cup	Automated Liquid Handling Sample Cup	Sample Cup	Sample Cup
Operating Range	0-2000 mOsm/kg H ₂ O	0-2000 mOsm/kg H ₂ O	0-4000 mOsm/kg H ₂ O	0-4000 mOsm/kg H ₂ O	0-2000 mOsm/kg H ₂ O
Test Time	90 seconds	120 seconds	180 seconds	120 seconds	90 seconds
Temperature Control Method	Dry Cooling	Dry Cooling	Dry Cooling	Liquid Cooling Bath	Dry Cooling
Communications	Ethernet, USB (3)	Ethernet, USB (4)	Ethernet, USB (4)	DTE RS-232, Barcode Port	DTE RS-232, Parallel Printer Port, Barcode Port
Printer	On-Board	On-Board	On-Board	On-Board	External (Optional)
Bar Code Capable	Integrated	Integrated	Integrated	Yes	Yes
Multi Language Display	Yes Touchscreen GUI	Yes Touchscreen GUI	Yes Touchscreen GUI	Yes	Yes
Part #	OSMO1	OSMOPRO	A2O	3250	210