

Micro-Sample Osmometer

T-OSM-001 - Measures osmolality in small liquid samples using semiconductor cooling and an automatically raised probe. Suitable samples include pharmaceutical solutions and laboratory liquids; confirm the method and matrix before ordering.



Key features

- Automatic probe lift and LCD menu interface
- Multipoint calibration with standard solutions
- Result storage, clock and printing functions
- Dual semiconductor cooling without a cooling liquid

Technical Information

Sample volume	50-100 μ L
Measurement range	0-3000 mOsmol/kg H ₂ O
Resolution	1 mOsmol/kg H ₂ O
Repeatability	RSD $\leq$ 1%
Accuracy at $\leq$ 300 mOsmol/kg	$\pm$ 3 mOsmol/kg
Accuracy above 300 mOsmol/kg	$\leq \pm$ 1%
Typical measurement time	$\leq$ 100 s

Standard Configuration

Instrument and documented calibration standard solutions. Confirm supplied concentrations, quantities, sample tubes and full packing list.

Optional Accessories

Request additional calibration solutions and qualification documents separately; availability and cost require confirmation.

Selection / Ordering Information

Specify sample matrix, osmolality range, throughput and calibration points. Confirm electrical supply, software language and print configuration. Method references do not establish certification or clinical diagnostic approval.