

ONE STEP OSMOMETRY - ACCURATE, RELIABLE RESULTS IN ONE MINUTE

The Advanced® Micro-Osmometer Model 3300 is an automated, single-sample osmometer designed to process a 20µL sample, ideally suited for clinical and industrial applications where limited sample quantity is available. By employing the industry-preferred method of freezing-point measurement, accuracy and reliability are inherent features of the Model 3300. For one-step sample handling and rapid, accurate results, laboratories around the world depend on the Advanced Micro-Osmometer Model 3300.

Small Sample Size

The Model 3300 requires only a 20µL sample, perfectly suited to applications where a limited sample quantity is available.

Unparalleled Ease of Use

Simply aspirate 20µL of sample into the sample tips, insert the sampler in the vertical holder and press the holder down – testing automatically begins and your results are displayed in just 60 seconds.

Accurate and User Friendly

Automation of the test process results in superior accuracy and repeatability. The instrument's two-line display provides test results, user prompts, error messages, and self-diagnostics. An optional bar code scanner is also available for positive sample identification. Its standard computer interface allows you to analyze and collect data for reporting.

Versatile

The Model 3300 is also equipped with several other features to adapt to your needs including: multi-language operation, a keyswitch between operator and supervisor modes, diagnostic checks, and statistical analysis to aid in getting the instrument up and running.

No Maintenance and Compact Design

The Model 3300 utilizes a solid state cold block, eliminating the maintenance necessary with liquid cooling baths. Its unique vertical orientation and built-in supply box results in a small footprint – only 10½ inches of bench space is needed.

Hot-Line® Service

Advanced Instruments Hot-Line® Service and worldwide distributor network provide comprehensive customer service and technical support.



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ADVANCED® MICRO- OSMOMETER MODEL 3300

ADVANCED® FREEZING-POINT OSMOMETERS
THE BRAND OF CHOICE FOR
OSMOLALITY TESTING™



Osmometry, a measurement of osmolality by the freezing-point method, is an important diagnostic method used in hospital, pharmaceutical, and environmental research.



Operating the Advanced Micro-Osmometer Model 3300 is fast and easy. Once the sample has been aspirated into the sample tube, simply insert the tube into the instrument's vertical holder. Push the holder down and testing begins automatically. Results are displayed in 60 seconds.



The 3300 optional barcode scanner attaches to the instrument, providing positive sample identification and minimizing transcription errors.

Other osmometers available:

Advanced Model 3250 Single-Sample Osmometer

Advanced Model 3900 Multi-Sample Osmometer

Advanced Model 2020 Multi-Sample Osmometer

Advanced Instruments also supplies ControLine™ products for osmometers. For more information, please contact Advanced Instruments or your local distributor.

Available from:

Model 3300 Single-Sample Osmometer Specifications

| | |
|-----------------|---|
| Sample Volume | 20 µL |
| Test Time | 60 seconds |
| Sample Capacity | Single Sample |
| Units | mOsm/kg H ₂ O |
| Resolution | 1 mOsm/kg H ₂ O |
| Range | 0 to 2000 mOsm/kg H ₂ O |
| Communications | DTE RS-232 serial port, parallel printer port, and optional barcode scanner |

Performance at Reference Conditions¹

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|---------------|---|
| Linearity | Less than ±1% from a straight line between 0 and 850 mOsm/kg H ₂ O; Less than ±1.5% above 850 mOsm/kg H ₂ O |
| Repeatability | ±2 mOsm/kg H ₂ O (1 S.D.) between 0 and 400 mOsm/kg H ₂ O; ±0.5% (1 S.D.) between 400 and 2000 mOsm/kg H ₂ O |
| Drift | Less than 1 mOsm/kg H ₂ O per month |

Performance Over Operating Conditions

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| Temperature Effects | Less than 1 mOsm/kg H ₂ O per 5°C (9°F) ambient temperature change |
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Operating Conditions

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| Temperature | 18 to 35°C (64 to 95°F) |
| Humidity | 5 to 80% relative humidity, (non-condensing) |
| Storage Temperature | -40 to +45°C (-40 to +113°F) |
| Electrical | |
| Voltage | 100 to 130 VAC (50/60 Hz) or 200 to 250 VAC (50/60 Hz) |
| Power Consumption | 60 Watts |

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| Dimensions | 15.5" H x 10.5" W x 13.0" D (39.4 cm x 26.7 cm x 33.0 cm) |
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|-----------------|---|
| Net Weight | 16.0 lbs. (7.3 kg) |
| Shipping Weight | 25.0 lbs. (11.4 kg) |
| Warranty | One-year limited warranty on workmanship and all parts except glass, plastic, and parts warranted by their makers |

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| Certification |    |
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¹ Reference Conditions 20 to 25°C (68 to 77°F); 40 to 60% relative humidity; tolerances of reference or calibration solutions excluded

Specifications subject to change

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