

ADVANCED® 3250 SINGLE-SAMPLE OSMOMETER

SUPERIOR ACCURACY AND RELIABILITY IN TWO MINUTES

The Advanced® 3250 Single-Sample Osmometer uses the industry-preferred freezing-point method for an accurate determination of total concentration. With on-board sample identification, broad measurement range and optimal sample size requirement, the Advanced 3250 provides precise results in a wide variety of laboratory applications in just 2 minutes. The Intel microprocessor optimizes on-board data management capability and promotes seamless instrument operation. Other features such as simple push-button design, multi-language capability, statistical analysis, and automated calibration make the Advanced 3250 Osmometer the single-sample osmometer of choice in laboratories around the world.

- Combines advanced features with simplified operation - a low maintenance, high quality laboratory instrument.
- Versatile instrument that provides a wide measurement range and accurate results for a variety of clinical and industrial laboratory applications.

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

Superior Results

The Advanced 3250 uses the preferred freezing-point method, which optimizes the accuracy and reliability of results.

Wide Measurement Range

An expanded measurement range of 0 to 4000 mOsm/kg H₂O offers ideal versatility.

Optimal Sample Size

Get the greatest precision in a variety of applications with a 0.2 to 0.25 mL sample volume.

Ease Of Use

Microprocessor control makes operation simple. Even occasional calibration requires no user adjustment; just follow the instrument's prompts.

Low Maintenance

A frost-free cooling chamber eliminates most routine maintenance. In addition, the 3250's sample probe is fully accessible for cleaning.

Flexible Reporting Options

The 3250 offers a full range of data handling capabilities with an on-board printer and connects easily to an external printer, computer, and barcode scanner. Instrument memory provides electronic storage and retrieval of up to 30 test results.

Hot-Line® Service

Advanced Instruments Hot-Line® Service and worldwide distributor network provide comprehensive customer service and technical support 24/7.

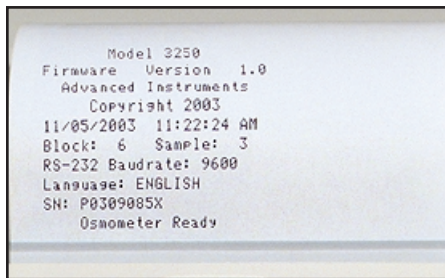


**ADVANCED
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Osmometry, a measurement of osmolality by the freezing-point method, is an important diagnostic method used in hospital, pharmaceutical, and environmental industries.



Minimize transcription errors with the 3250 on-board printer. Capture date, time, and results while supporting HIPAA guidelines for patient privacy.



The 3250 optional barcode scanner attaches to the instrument, providing positive sample identification and minimizing transcription errors.

Other osmometers available:

Advanced Model 2020 Multi-Sample Osmometer

Advanced Model 3900 Multi-Sample Osmometer

Advanced Model 3300 Micro-Sample Osmometer

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

Available from:

Model 3250 Single-Sample Osmometer Specifications

| | |
|-----------------|--|
| Sample Volume | 0.2 to 0.25 mL |
| Test Time | Low Range: approximately 2 minutes High Range: approximately 3 minutes |
| Sample Capacity | Single Sample |
| Units | mOsm/kg H ₂ O |
| Resolution | 1 mOsm/kg H ₂ O |
| Range | Low Range: 0 to 2000 mOsm/kg H ₂ O High Range: 1400 to 4000 mOsm/kg H ₂ O |
| Communications | On-board printer, DTE RS-232 serial port, and optional barcode scanner |

Performance at Reference Conditions¹

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|---------------|---|
| Linearity | Less than ±0.5% from a straight line |
| 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 4000 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 | 150 Watts |

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| Dimensions | 16.0" H x 13.0" W x 18.0" D 40.6 cm x 33.0 cm x 45.7 cm |
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Net Weight 28.0 lbs. (12.7 kg)

Shipping Weight 39.0 lbs. (17.7 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 |    |
|---------------|--|

¹Reference 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

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

For more information on Advanced Instruments family of tests, please call 800-225-4034.



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