

## **PSI Precision Systems Micro Osmette Osmometer 5004**

Use the freezing point depression method to provide a quick, accurate indication of total concentration. Instruments measure freezing points of solutions to 0.001°C, then directly translate them to measure of concentration.

### **Easy to Use**

- Add sample tube to well, lower operating head to insert wire and thermistor temperature probe into the sample
- Freezing point is detected by the probe, with accuracy of  $\pm 0.001^\circ\text{C}$
- Digital display shows results directly in mOsm/kg H<sub>2</sub>O
- Entire cycle takes between one-half and one minute per sample

### **Speedy and convenient**

- Fast cooldown, completely zero-stable meter
- Reach operating temperature in <15 min. vs. 40 to 60 min. for other cryoscopic devices
- Eliminate Dewar flasks, ice baths, calculations
- Generate precise results in just 50 to 70 sec.; process 40 to 60 samples per hour
- Minimal training; simple two-step calibration takes less than five minutes
- All models hold calibration, eliminating daily calibration

### **Micro-Osmette, Model 5004**

- Automatic Operation
- Features electronic cooling instead of a bath
- Food and beverage industries, chemical manufacturing, pharmaceutical labs, research and quality control
- Clinical applications include diagnosis of renal activity, disease electrolyte imbalance, hyper- and hyponatremia, measuring osmolality of body fluids

<sup>1</sup> Reproducibility, 1 S.D. (one standard deviation).

<sup>2</sup> With liquid bath.

