

Advanced Instruments 3320 Single-sample Micro-osmometer  
Specifications

<b>Item</b>		
Sample Volume	20 $\mu$ L	
Sample Capacity	Single sample	
Readout	2 line by 24-character vacuum fluorescent display	
Units	mOsm/kg H <sub>2</sub> O	
Range	0 to 2000 mOsm/kg H <sub>2</sub> O	
Resolution	1 mOsm/kg H <sub>2</sub> O	
Performance at Reference Conditions	Linearity	Less than $\pm 1\%$ from a straight line over calibrated range
	Repeatability	<ul style="list-style-type: none"> <li>• 0 to 400 mOsm: std. deviation &lt; 2 mOsm/kg H<sub>2</sub>O</li> <li>• 400 to 2000 mOsm: std. deviation &lt; 0.5% of value mOsm/kg H<sub>2</sub>O</li> </ul>
	Drift	Less than 1 mOsm/kg H <sub>2</sub> O per month
Performance over Operating Conditions	Temperature Effects	Less than 1 mOsm/kg H <sub>2</sub> O for every 5 °C (9 °F) ambient temperature change