



NANOTRAC WAVE II

Particle Size, Zeta Potential, and Molecular Weight Analyzer



Microtrac NANOTRAC WAVE II *Features*

- Measures particles ranging from 0.8 to 6500 nanometers
- Easy to use, removable sample cell – Teflon or stainless steel
- Superior optical signal (Controlled Reference Method) delivers sensitivity and precision for measuring multi-mode samples
- Ability to measure wide concentration range – ppm to 40% concentration
- Improved chemical resistance
- Enhanced Zeta Potential capability from -200 to +200mV
- Peltier Temperature Control Device

NANOTRAC WAVE II *Specifications*

Particle Size:	0.8 to 6500 nanometers (<i>displayed in nanometers, microns or angstroms</i>)	
Zeta Potential:	+/- 200 mV, Mobility 0 to 15.5 microns/sec/volt/cm, size range 10nm to 20 microns	
Molecular Weight:	300 Da to 20x10 ⁶ Daltons, Hydrodynamic and Debye Plot with 2nd Viral coefficient calculation	
Sample Volume:	150µl to 2ml	
Measurement Angle:	180 Degrees	
Repeatability:	1% or better for 100nm Polystyrene	
Concentration Limits:	From ppm to 40% by volume in certain conditions.	
Laser:	Laser Diode, 780 nm , 3mW Nominal, no alignment required.	
Temperature Control:	5 to 90 Degrees Centigrade using Peltier Device	
Sample Cell Modules:	Size - Teflon or Stainless Steel, Size and Zeta - Teflon	
Chemical Compatibility:	Aqueous, polar and non polar organic solvents. Surfaces-Stainless steel, sapphire and Teflon	
pH Range:	2 to 12 pH	
Recommended Conductivity:	< 10 mS/cm	
Environmental:	Operating Temperature	10 to 50 Degrees C
	Humidity	up to 90% non-condensing
Dimensions:	15L x 14W x 13H inches (38.1 x 35.5 x 33 cms)	
Weight:	15 Lbs, approx 6.8 Kg	
Electrical:	90 to 240 VAC, 47 to 63 HZ, 75 Watts max.	

For more information on the unique benefits of the Nanotracs Wave II, please scan this QR code or visit microtrac.com/nanotracs-wave



Nanotracs Wave II complies with ISO 22412:2008

SL-PS-25 Rev. E