

Specifications

	NanoPlus 1	NanoPlus 2	NanoPlus 3
Component	Particle Size Analyzer	Zeta Potential Analyzer	Particle Size & Zeta Potential
Principle	Photon Correlation Spectroscopy	Electrophoretic Light Scattering (ELS)	Combination of both measurements
Light Source	Semiconductor Laser	Semiconductor Laser	Semiconductor Laser
Detector	Avalanche Photodiode	Avalanche Photodiode	Avalanche Photodiode
Minimum Cell/Sample Volume	Glass Cell - 0.9 mL Micro Volume Cell - 20 μ L	Flow Cell - 0.7 mL High Concentration - 0.6 mL Disposable - 130 μ L	All four sizes available to use with this system
Concentration	0.00001 to 40%	0.001 to 40%	Size and Zeta the same as single units
Measurement Range	0.1 nm to 12.30 μ m	Zeta -200 to +200 mV Mobility No Practical Range Limit	Size and Zeta the same as single units
Laser Source	Diode Laser	Diode Laser	Diode Laser
Laser Wavelength	660 nm	660 nm	660 nm
Laser Power	70 mW	30 mW	Dual Laser 30 mW + 70 mW
Correlator	Includes both, time-domain and time-of-arrival correlators. Maximum of 1,000,000 equivalent channels	Includes both, time-domain and time-of-arrival correlators. Maximum of 1,000,000 equivalent channels	Includes both, time-domain and time-of-arrival correlators. Maximum of 1,000,000 equivalent channels
Temperate Control	Peltier	Peltier	Peltier
Temperate Range	Operating range from 10 $^{\circ}$ C below room temperature to 90 $^{\circ}$ C	Operating range from 10 $^{\circ}$ C below room temperature to 90 $^{\circ}$ C	Operating range from 10 $^{\circ}$ C below room temperature to 90 $^{\circ}$ C
Temperate Accuracy	within +/-0.2 $^{\circ}$ C	within +/-0.2 $^{\circ}$ C	within +/-0.2 $^{\circ}$ C