Automatic Laser Nanoparticle Size Analyzer



BIOBASE
E-mail: export@biobase.com
www.biobase.cc / www.biobase.com

Introduction:

The BPSA-N9 laser nanoparticle size analyzer is widely used for particle characterization of samples such as organic or inorganic nanoparticles, emulsions, polymers, micelles, viral antibodies, and proteins, as well as for the detection and analysis of sample system stability and particle aggregation tendency.

Features:

* Full DC power supply: Utilizes an external DC adapter, eliminating the need for internal 220V AC mains power, thus reducing AC interference and ensuring more stable and safer measurements.
* High sensitivity and high signal-to-noise ratio: Equipped with a Hamamatsu low-darkness counting, high-sensitivity professional-grade PMT detector, providing strong photon signal capture capabilities and guaranteeing accurate and high-resolution results.
* Professional analysis software: Includes built-in international standard algorithms such as cumulant method, NNLS, and Continua, ensuring results are highly consistent with mainstream international equipment.
* High-precision temperature control: Dual-channel temperature control for the sample cell and laser achieves an accuracy of ±0.1℃, ensuring constant temperature operation, preventing temperature drift, and improving accuracy and repeatability.
* Stable optical path system: A constant-temperature, high-power semiconductor laser + fiber optic path, compact in size and highly resistant to interference, ensuring stable and reliable results.

Technical Parameters:

Model	BPSA-N9
Test Method	Wet method
Test Range	0.5~10000nm
Concentration Range	0.1~100mg/ml
Accuracy Error	<1%
Repeatability Error	<1%
Scattering Angle	90°
Sample Cell	10*10*40mm, 1~4ml(With temperature control protection)
Temperature Range	0-90℃(Temperature accurate to ±0.1℃)
Test Speed	<5 minutes/time(Excluding sample dispersion time)
Power Supply	Standard: AC220V, 50/60Hz; optional: AC110V, 50/60Hz
Product Size(W*D*H)	440*245*228mm
Net Weight	9.5kg
Packing Size(W*D*H)	560*450*380mm
Gross Weight	22kg