

# Dual-Light Nano Particle Sizer

Nanoemulsion | Ceramics | Nanoparticles | Abrasives | Liposome | Inks | Paints

## Unique Benefits

- **Simple:** Sample preparation and analysis software is easy to operate
- **Dual:** Dual wavelength laser for wider range of sample
- **Sensitive:** High detection sensitivity, accurate precision and rapid measurement
- **Instant:** Real time detection of dynamic changes of the sample
- **Intelligent:** Fully automatic operation



Genizer Dual-Light Particle Sizer (GDPS) is a high-performance and general-purpose particle sizing instrument. With the technique of Dynamic Light Scattering (DLS), GDPS features high-speed digital correlator and high-performance photomultiplier tube as a core device, which have the characteristics of fast-speed, high-resolution accurate precision, high detection sensitivity, as well as the advantages of not destructing structure of original nano-particles or contaminate testing samples. It can be widely used in pharmaceuticals, emulsions, ceramics, nanoparticles, abrasives, liposomes, inks, paints, dye, bacteria, food, clay, lubricants, dust, cells, fuels, photosensitive materials, additives and etc.

## Specifications

Catalog No.	GDPS
Description	Dual-Light Nano Particle Sizer
Size Range	1nm-10 $\mu$ m
Accuracy	$\leq 1\%$
Dimensions	250mm $\times$ 150mm $\times$ 460mm (9.8in. $\times$ 6in. $\times$ 18in.)
Weight	15kg (33lbs)
Application	Emulsions, Liposome, Ceramics, Abrasives, Inks, Paints, Nanoparticles



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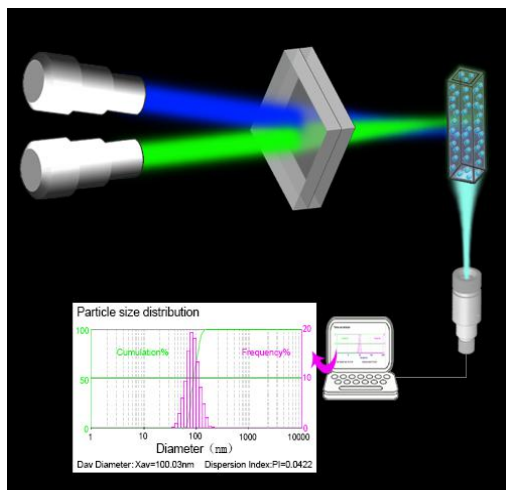
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Dual-light Particle Sizer

## Standard Features

Control & Data Collection System	Connecting to a computer with LPSA software
Green Laser Source	Max. 30mW, 570nm
Blue Laser Source	Normal 10mW, 470nm
Supply Voltage	110V/220V, 50/60Hz
Temperature	0°C-79.9°C±0.1°C
Concentration Range	0.1mg/mL-100mg/mL
Scattering Angle	90°
Sampling Time	< 4Min
Detector	Photomultiplier tube (PMT)
Warranty	1 year against any manufacturing defects



Dual Laser Principle

## Option Features

Power supply	Precision UPS voltage stabilizer
Clean	Ultrasound Washer