

## Automatic Laser Particle Size Analyzer



### Application:

The particle size analyzer is a relatively general particle size analyzer that measures the size of powder particles according to the principle of light scattering. It has a wide dynamic range, fast measurement speed, and easy operation, making it ideal for measuring powder and liquid droplets with a wide particle size distribution. As a new type of particle size testing instrument, particle size analyzer has been widely used in other powder processing and application fields. Its application is of great significance to improve product quality and reduce energy consumption.

### Features:

- \* Advanced optical design: Converging Fourier transform test technology is used to ensure the maximum range of short focal lengths and effectively improve the resolution of the instrument; the uniqueness of the high-density detection unit makes it have a strong ability to detect small particles. A full range of seamless super power tests.
- \* Anti dry ultrasound: ultrasonic anti-dry function can be realized to avoid damage to the ultrasonic in the absence of water.
- \* Dust proof and shockproof design.
- \* Sample residue-free design and bubble-free design.
- \* Misoperation protection: The instrument has a self-protection function for misoperation, and the instrument does not respond to misoperation.
- \* Dry Wet Switching: one button automatic switching of software.(BPSA-6100D)

### Technical Parameters:

Model		BPSA-6100D	BPSA-5200H	BPSA-5100H
Test Range		wet process: 0.01μm -1250μm	dry process: 0.1μm -1250μm	0.1μm - 800μm 0.1μm - 300μm
Test Speed		<1min/ times (excluding sample dispersion time)		
Number of Detector Channels		wet process: 112	dry process: 102	86 78
Accuracy Error		dry process: <1%, wet process: <1% (D50 value of national standard sample)		<1% (D50 value of national standard sample)
Repeatability Error		dry process: <1%, wet process: <0.5% (D50 value of national standard sample)		<0.5% (D50 value of national standard sample)
Wet Process	Ultrasonic	Frequency: f=40KHz, power: p=80W, time: optional, adjustable, with ultrasonic anti drying		
	Cycle and Stir	Integrated design of circular mixing, speed: 100-3950rpm, adjustable speed		Integrated design of circular mixing, speed: 10-3000rpm, adjustable speed
	Circulating Flow	Rated flow: 0-10L/min adjustable rated power: 25W		
	Sample Cell	The design of boiling type sample pool, the dispersion effect is better, capacity: 190-600mL can be normal test		
	Shading Detection	The instrument has a unique real-time detection function of the shade, to ensure that the amount of samples added more accurate		
Dry Process	Dispersion Mode	High pressure air dispersion		
	Feeding Method	Mechanical stepless speed regulation, vibration feeding, software control		
	Oil Free Mute Air Compressor	With dust filtering function to ensure the accuracy of the test		
	Cold Dryer	The freeze drier can filter the moisture in the air and guarantee the dispersing effect		
Power		AC220V±10%, 50/60Hz(Standard) AC110±10%, 60Hz(Optional)		
Packing Size(W*D*H)		1200*380*520mm 700*400*530mm 430*430*590mm 350*350*400mm 450*450*795mm		940*420*520mm
Gross Weight		52kg 33kg 10kg 12kg 38kg		45kg