

Automatic Laser Particle Size Analyzer



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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 for wet method.
- * Dust proof and shockproof design.
- * Sample residue-free design and bubble-free design for wet method.
- * Mis-operation protection: The instrument has a self-protection function for mis-operation, and the instrument does not respond to mis-operation.
- * Dry Wet Switching: one button automatic switching of software. (BPSA-6100D)

Technical Parameters:

Model	BPSA-2020L	BPSA-5100H	BPSA-5200H	BPSA-6100C	BPSA-6100D
Test Method	Dry method	Wet method	Wet method	Wet method	Dry and wet method
Test Range	0.1~800µm	0.1~800µm	0.1~1000µm	0.1~2000µm	Dry method: 0.1~1500µm; wet method: 0.01~1500µm
Number of Detector Channels	87	76	86	96	Dry method: 96; wet method: 127
Accuracy Error	<1% (D50 value of standard sample)	<0.5% (D50 value of standard sample)	<0.5% (D50 value of standard sample)	<0.5% (D50 value of standard sample)	<0.5% (D50 value of standard sample)
Repeatability Error	<1% (D50 value of standard sample)	<0.5% (D50 value of standard sample)	<0.5% (D50 value of standard sample)	<0.5% (D50 value of standard sample)	<0.5% (D50 value of standard sample)
Dispersion	High-pressure air dispersion; mechanical stepless speed-regulating vibration feeding; oil-free silent air compressor with dust filtration function, continuously adjustable from 0.1-0.8MPa; can filter moisture from the air.	High-pressure air dispersion; mechanical stepless speed-regulating vibration feeding; oil-free silent air compressor with dust filtration function, continuously adjustable from 0.1-0.8MPa; can filter moisture from the air.	Ultrasonic frequency: f=40KHz, power: p=80W, time: adjustable; equipped with ultrasonic anti-dry-burning feature. Integrated circulation and stirring design, speed: 100~3950rpm adjustable. Rated circulation flow rate: 0~10L/min adjustable; Rated power: 25W.	Ultrasonic frequency: f=40KHz, power: p=80W, time: adjustable; equipped with ultrasonic anti-dry-burning feature. Integrated circulation and stirring design, speed: 100~3950rpm adjustable. Rated circulation flow rate: 0~10L/min adjustable; Rated power: 25W.	Dry method: High-pressure air dispersion; mechanical stepless speed-regulating vibration feeding; oil-free silent air compressor with dust filtration function, continuously adjustable from 0.1-0.8MPa; can filter moisture from the air. Wet method: Ultrasonic frequency: f=40KHz, power: p=80W, time: adjustable; equipped with ultrasonic anti-dry-burning feature. Integrated circulation and stirring design, speed: 100~3950rpm adjustable. Rated circulation flow rate: 0~10L/min adjustable; Rated power: 25W.
Test Range	Standard: AC220V, 50/60Hz; optional: AC110V, 50/60Hz(External transformer)	Standard: AC220V, 50/60Hz; optional: AC110V, 50/60Hz			Standard: AC220V, 50/60Hz; optional: AC110V, 50/60Hz (External transformer)
Product Size(W*D*H)	700*495*300mm	980*410*450mm	800*280*335mm	800*280*335mm	1040*505*335mm
Net Weight	35kg	30kg	38kg	38kg	50kg
Packing Size(W*D*H)	840*390*500mm 580*380*440mm 430*430*590mm 450*450*720mm 350*350*400mm	940*420*520mm		1200*500*500mm	1200*380*520mm 700*400*530mm 430*430*590mm 350*350*400mm 450*450*795mm
Gross Weight	41kg 21kg 10kg 30kg 12kg	45kg		55kg	52kg 33kg 10kg 12kg 38kg