



# SPRAY PARTICLE SIZE ANALYZER

## LSPA-A10

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Spray particle size analyzer LSPA-A10 is an accurate and reliable bench top spray particle size analyzer that adopts Fraunhofer of scalar diffraction principle and parallel light path design for measuring over 1-2000 $\mu$ m particle size range. With split-type structure design, it is well equipped with high performance and high power laser, airflow protection device and stable automatic optical path alignment system.

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### Features

- Fraunhofer light diffraction particle size measurement principle
  - High performance and high power laser
  - It embraces Parallel optical testing technology and spectrum amplification technique
  - Split-type structure design and adjustable test area to satisfy the needs of the spray test in any condition
  - Integrated auxiliary photoelectric detector
  - Unique airflow protection device to protect the lens
  - Output can be in Word, Excel, Bmp picture and text format which ensures viewing and referencing of results at different situations
  - Accurate and reliable
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### Applications

Spray particle size analyzer is used: for measurement of the droplet size produced by atomizer system, for rapid screening of formulations for the desired spray properties to improve drug delivery efficacy, for measuring the fluctuations in droplet size, for studying sprays appearing in the study of firefighting, spray granulation etc.

# Spray Particle Size Analyzer

## Specifications

Model no.		LSPA-A10
Executive standard		ISO13320-1:1999 GB/T19077.1-2008 Q/0100JWN001-2013
Principle		Fraunhofer light diffraction
Measuring range		1 $\mu$ m-2000 $\mu$ m
Spray area range		1-10 m
Sample type		Droplet
Structure		Split-type
Laser		LD pump laser, 532 nm
Detector		Photoelectric
Number of channel		58 pcs.
Sample introduction		open
Lens protection		Double air curtains
Adjusting range	Horizontal moving	$\pm 20$ mm
	Lifting	$\pm 20$ mm
	rotation	$\pm 20^\circ$
Accuracy error		< 3%
Reproducibility error		< 3%
Software running		Win XP/Win 7
Dimension	Launch port	369 x 295 x 360 mm
	Receive port	858 x 295 x 360 mm
Net weight		68 kg