



## **Spray particle size analyzer LD-LSPA-A10**

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# Spray particle size analyzer LD-LSPA-A10

## Overview

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  $\mu\text{m}$  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.

## 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

## 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.

## Specifications:

<b>Laser</b>	LD pump laser, 532 nm
<b>Lifting</b>	$\pm 20$ mm
<b>Detector</b>	Photoelectric
<b>Rotation</b>	$\pm 20^\circ$
<b>Dimension</b>	369 x 295 x 360 mm
<b>Principle</b>	Fraunhofer light diffraction
<b>Structure</b>	Split-type
<b>Sample type</b>	Droplet
<b>Accuracy error</b>	< 3%
<b>Adjusting range</b>	<div id="specification" class="tab-pane fade in active table-responsive"><table class="table table-

	Horizontal moving
<b>Lens protection</b>	Double air curtains
<b>Measuring range</b>	1 ?m - 2000 ?m
<b>Software running</b>	Win XP/Win 7
<b>Number of channel</b>	58 pcs.
<b>Executive standard</b>	ISO13320 - 1 : 1999
<b>Spray area range</b>	1 - 10 m
<b>Sample introduction</b>	open
<b>Reproducibility error</b>	< 3%