

labodam



Laser Particle Size Analyzer

B1 Series

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Laser Particle Size Analyzer

Laser particle size analyzer LLPA-B10

Laser particle size analyzer LLPA-B10 using air as a dispersion medium is a fully automatic dry dispersion laser particle size analyzer. It is an intelligent equipment that uses laser light scattering principle for measuring over 0.1 μ m to 2000 μ m particle size range. In addition, it has a new generation dispersion device, high precision feeding device along with high precision-automatic calibration system.

Features

- ▶ Converging fourier transform light path
 - ▶ Laser diffraction particle size measurement principle
 - ▶ Uses air as a dispersion medium
 - ▶ Turbulence dispersion principle ensures complete dispersion of sample
 - ▶ High precision feeding device
 - ▶ Patent powder spray pump
 - ▶ Oil-free silent gas source
 - ▶ High precision-automatic calibration system
 - ▶ Unconstrained free-fitting technique
 - ▶ High speed collection of particle information
 - ▶ Test report output and display forms can be designed by the user according to the industry requirements
 - ▶ Manual and automatic mode of operation makes it user friendly
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Applications

Dry laser particle size analyzer is used for dyes, pigments, fillers, coal dust, additives, pesticides, explosives, graphite, photographic materials, metal and non-metal powder, carbonated calcium, kaolin and other powder industry

Laser Particle Size Analyzer

Specifications

Model no.	LLPA-BIO
Principle	Laser light scattering
Measuring range	0.1µm-2000µm
Sample type	Powders
Dispersion type	Dry-turbulence dispersion
Dispersion media	Compressed air or nitrogen
Test speed	< 1 min
Light source	High performance He-Ne Laser, $\lambda= 632.8\text{nm}$
Operation mode	Fully automatic
Detector channels no.	100 pcs.
Detector arrangement	Long-spaced array
Angular range	0.0155-145 degrees
Optical calibration system	Automatic
Feeding	Automatic vibration feeding
Accuracy	< 1%
Repeatability	< 1%
Software running	Win XP/Win7
Outer dimension (LxWxH)	1050 x 440 x 540 mm
Net weight	58 kg

Laser Particle Size Analyzer

Laser particle size analyzer LLPA-B11

Laser particle size analyzer LLPA-B11 is an intelligent dry dispersion particle size analyzer that uses air as a dispersion medium. Well equipped with a highly sensitive ring Photodetector, high precision feeding apparatus and highly stable He-Ne laser, it uses turbulence dispersion and laser diffraction particle size measurement principle for measuring over 0.1 μm -500 μm particle size range.

Features

- ▶ Converging fourier transform light path
 - ▶ Laser diffraction particle size measurement principle
 - ▶ Highly sensitive photoelectric detector
 - ▶ Uses air as a dispersion medium
 - ▶ Turbulence dispersion principle ensures complete dispersion of sample
 - ▶ High precision feeding device
 - ▶ Patent powder spray pump
 - ▶ Oil free-silent air source
 - ▶ Unconstrained free fitting technique
 - ▶ Analysis software accomplish high speed collection of particle information
 - ▶ Users can design the test report and display forms according to industry requirement
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Applications

Dry laser particle size analyzer is used for dyes, pigments, fillers, coal dust, additives, pesticides, explosives, graphite, photographic materials, metal and non-metal powder, carbonated calcium, kaolin and other powder industry

Laser Particle Size Analyzer

Specifications

Model no.	LLPA-B11
Principle	Laser light scattering
Measuring range	0.1 μ m-500 μ m
Sample type	Powders
Dispersion type	Dry-turbulence dispersion
Dispersion media	Compressed air
Test Speed	< 1min
Light source	High performance He-Ne Laser, λ = 632.8nm
Operation Mode	Manual & Full automatic
Detector	Sensitive ring photoelectric detector
Detector channels No	40 pcs.
Angular range	0.0155-145 degrees
Optical calibration system	Automatic
Feeding	Automatic vibration feeding
Accuracy	< 1%
Repeatability	< 1%
Software running	Win XP/Win7
Outer dimension (LxWxH)	850 × 380 × 240 mm
Net weight	50 kg



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