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Product Name : Astra Laser Particle Analyzer	**Product Code :** ASTRALAB-SUPPLYA17004

Description :

Astra Laser Particle Analyzer

Technical Specification :

Application: Measure the particle size distribution of powder or latex.

New type of intelligent high-performance automatic laser particle size analyzer. Imported He-Ne laser transmitter as the light source can achieve shorter warm-up time and more stable laser power. Modern intelligent measurement control and analysis software and fully automatic sample feeding system greatly improve the user

experience. LS-609 has a more concise and effective measurement process, more stable and reliable results, and easier comparison between measurement reports.

Application: Measure the particle size distribution of powder or latex.

Principle: Light is electromagnetic waves. When light encounters particles on its path, the interaction between light and particles will cause part of the light to deviate, which is called light scattering. The larger the scattering angle, the smaller the particle size, and the smaller the scattering angle, the larger the particle size. The particle analyzer will analyze the particle distribution based on the physical characteristics of the light wave.

Theory: Triple Scattering

Measuring range: 0.1~1000?m

Sample feed: wet dispersion

Repeatability: <1% (standard sample D50)

Alignment: Intelligent automatic alignment, alignment accuracy: 0.5?m

Scanning frequency: 1 kHz

Measuring time: 1-2 minutes

Detector: 49

Light source: imported He-Ne laser, power: greater than 2.0 mW, wavelength: 0.6328?m

Environmental requirements:

Temperature: 5-35?

Humidity: <85%

Report items: particle size distribution table and chart, average diameter, median diameter, SSA, etc.

Dimensions (length X width X height): 838 X 265 X 295mm (host), 938 X 365 X 395mm (outer packaging)

Reliable optical platform

It adopts horizontal and straight optical path layout, no reflective prism, stable and reliable optical path.

The base has good design and good optical path consistency.

It has passed the GB/T4857.18 drop test.

The laser power module is sealed by water filling, which has good moisture resistance and good electrical stability.

Modular structure design makes maintenance more convenient.

Use debugging tools to adjust/position the main detector and auxiliary detector to achieve more precise positioning. Help to obtain more accurate large-angle light energy data, thereby improving the instrument's test

performance for small particles.

All-in-one shell design, dustproof and waterproof.

Astra Scientific

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