

Nanoparticle Size Analyzer FM-NSA-A200



Description :

Nanoparticle Size Analyzer FM-NSA-A200 is a laser particle size analyzer that uses dynamic light scattering principle for the analysis of nanoparticles. It determines size distribution in range of 1 nm to 9500 nm. Change in angle due to dynamic light scattering measures particle diameter and diffusion coefficient according to Stokes-Einstein equation. It used to test wide distribution of samples in nanometre, which has characteristics easy operation, high precision and wide test range.

Specifications :

Measuring range	1 to 9500 nm (in connection with sample)
Concentration range	0.1 to 100 mg/ml (in connection with sample)
Accuracy	≤ 1%
Repeatability	≤ 1%
Laser source	20 mW, 635 nm, solid laser
Detector	PMT (Photomultiplier)
Analysis mode	NNSL, multi-peak and CONTIN
Temperature control range of the cell	15 to 90°C
Temperature control system	Silicone card
Scattering angle	90°C
Sample volume	0.5 ml and 8 ml
Operating system	Windows XP, Windows 7, Windows 10
Resolution speed of software	5 μs

Digital correlator	Physical channel: 200, Dynamic sampling time and delay time: 1 to 5 μ s
Dimension	45 × 305 × 210 mm
Weight	15 kg

Features :

- Dynamic light scattering principle
- Sample measuring range of 1nm to 9500 nm
- Digital correlator with 5 μ s high resolution speed
- Laser, detector and signal transmission system for good accuracy
- High precision temperature control system ensures accurate test result
- Imported photomultiplier with high speed and stable performance
- Photon correlator with large scale integrated circuit (DSP) 200 channels
- Operating system Windows XP and Windows 7 or Windows 10

Applications:

Used in pharmaceutical and cosmetics industry, agricultural and pesticide industry, food and beverages industry, cement, ceramic, glass, textile, chemical industry, geological analysis, pigment, oil exploration.



Email : info@fison.com | **Website :** www.fison.com