labodam

Laser Particle Size Analyzer

C 10

www.labodam.com // info@labodam.com

Laser Particle Size Analyzer

Laser particle size analyzer LLPA-C10

Laser particle size analyzer LLPA-C10 is an intelligent and automatic model integrated with wet and dry dispersion system. It uses laser diffraction measurement principle for measuring over 0.01-2000μm particle size range for both wet and dry dispersion system and is the prior choice for industries and research institutions.

Features

- Converging fourier transform light path
- Laser diffraction particle size measurement principle
- Integrated design comprising wet and dry dispersion system
- One key to switch wet & dry system
- Capable of measuring suspension, emulsion and powders
- Automatic optical path alignment system
- Built-in dispersion system ensures uniform dispersion and distribution of particles in the testing process
- Free to choose automatic or manual mode of operation
- Automatic mode of operation makes it very easy to use
- Unconstrained free fitting technology ensures that particle analysis is not restricted by any function

---

Applications

It is used for: particle size analysis in the cement industry, characterization of battery materials, investigating the dispersion of dry powders and APIs, measuring the particle size of food stuff such as coffee, sugar etc.

Laser Particle Size Analyzer

Specifications

Model no.		LLPA-C10
Standard		ISO 13320-1:1999
Principle		Laser light scattering
Measuring range	Dry	0.1μm-2000μm
	Wet	0.01μm-2000μm
Sample type		suspension, emulsion, powders
Dispersion type		Wet & Dry
Test Speed	Dry	< 1min
	Wet	< 2 min
Light source		High performance He-Ne Laser, λ= 632.8nm
Operation Mode		Full automatic
Operation Mode	Dry	100 pcs.
	Wet	127 pcs.
Optical calibration system		Automatic
Accuracy		< 1%
Repeatability		< 1%
Software running		Win XP/Win7
Outer dimension (LxWxH)		1230 x 640 x 660 mm
Net weight		70 kg

Labodam Equipment Ltd
18a Melton Road Leicester
LE4 5EA United Kingdom
www.labodam.com
info@labodam.com