Access to your success
SHIMADZU

C064-E024B

LASER DIFFRACTION PARTICLE SIZE ANALYZER

SALD®-201V

ISO9001 Registered

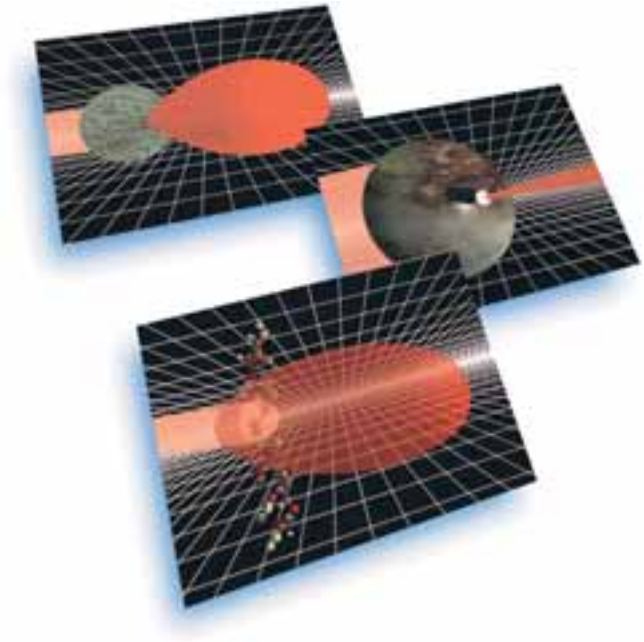
LASER DIFFRACTION PARTICLE SIZE ANALYZER

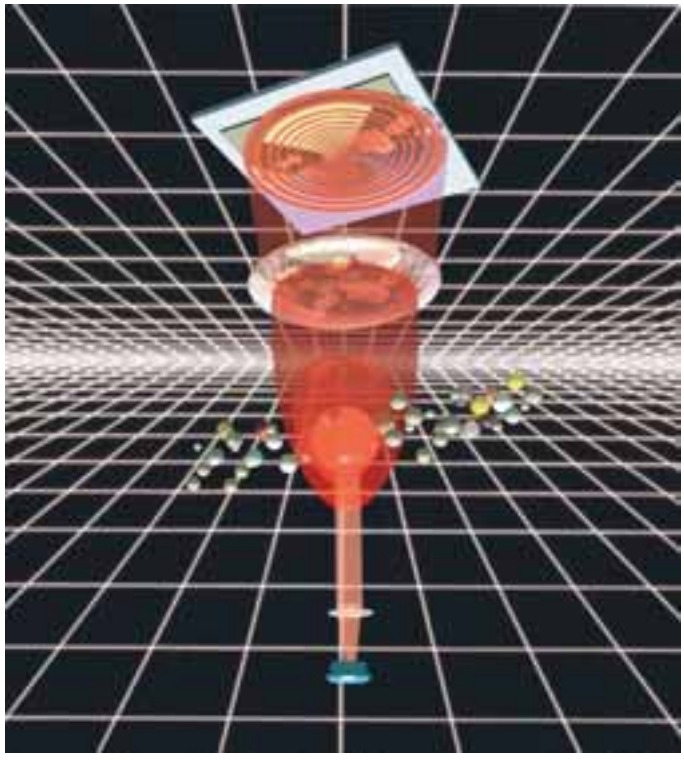
SALD®-201V

a compact instrument with all for particle size maesurement.

SALD-201V is ideal for analysis of foods, drinks, cosmetics, and pharmaceuticals.

The laser beam is diffracted and scattered by the sample particles and forms light intensity distribution patterns, depending on the particle size.



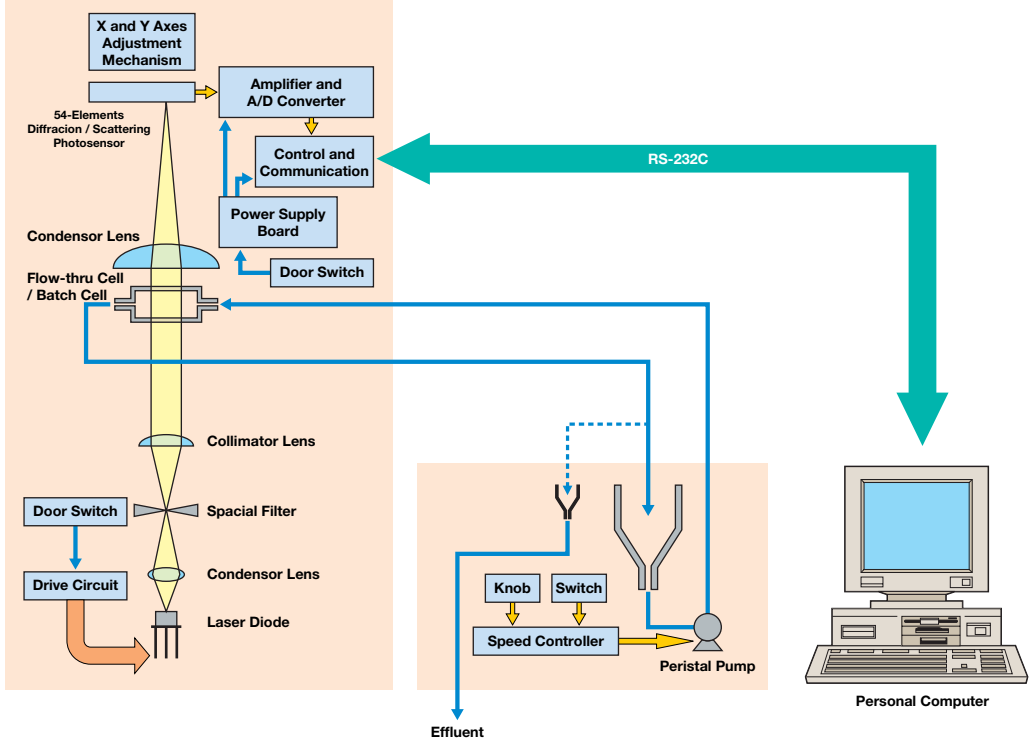


Vertical optical system

the necessary functions

- *High performance !!*
- *High accuracy !!*
- *High reliability !!*
- *Compact body !!*
- *Reasonable price !!*
- *New design with vertical optical system !!*

Block diagram



You can choice two models for your needs.

Model-1

Batch cell model

This simple model, consisting only of the analyzer unit and a batch cell, is recommended for analysis of light particles.

Measuring range:

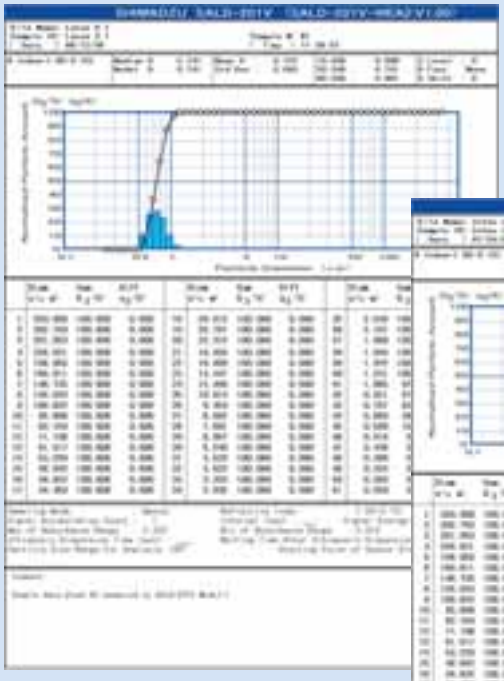
0.25 - 50 micrometers

Feature:

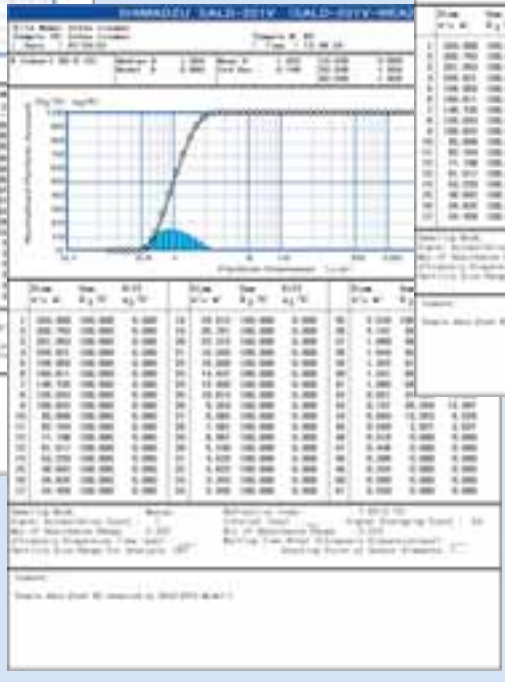
Reliable analysis with small samples (The minimum volume of dispersant is about 2 cm^3)

Batch cell

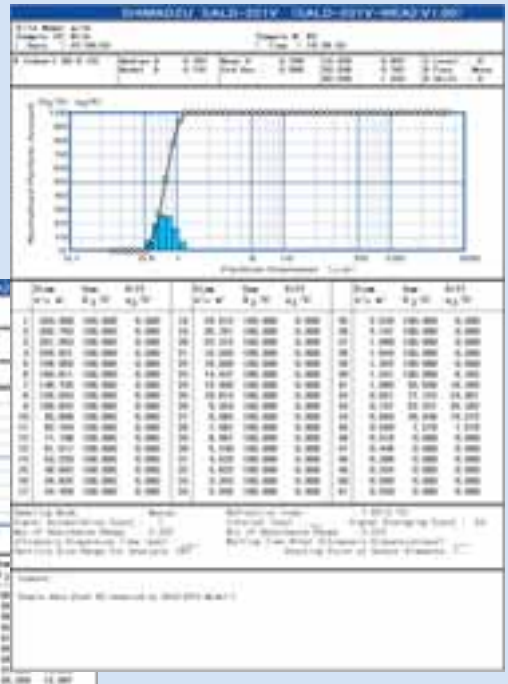
Examples:



Latex (0.7 micrometers)



Coffee creamer



Milk

They can cover 75% of all the needs for particle size analysis !!

Model-2

Batch cell and flow-thru cell model

Consisting of the analyzer unit, a batch cell, a sampler, and a flow-thru cell, this model provides a wider measuring range than Model-1.

Measuring range:

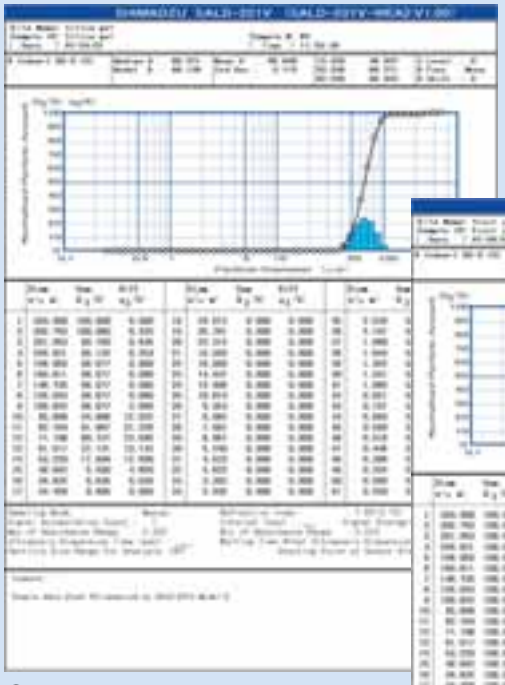
0.25 - 350 micrometers

Feature:

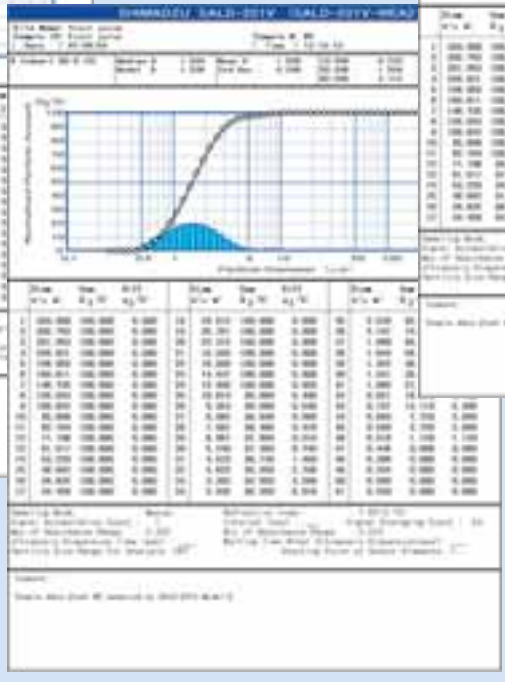
Reliable analysis of various types of particles and emulsions

Flow-thru cell

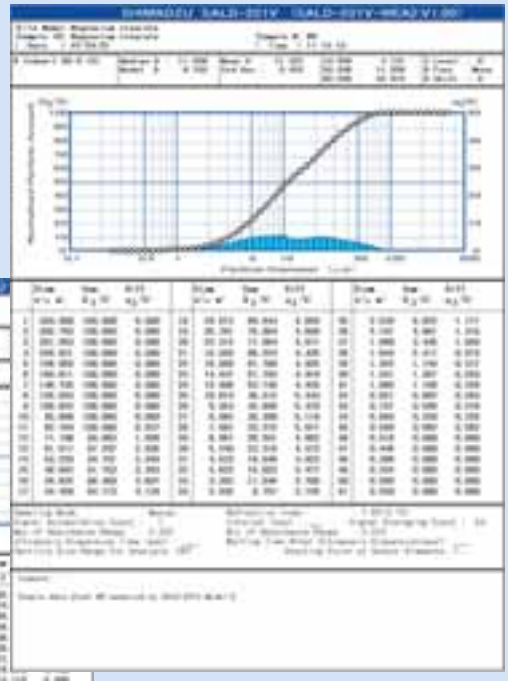
Examples:



Silica gel



Fruit juice



Magnesium stearate

WingSALD

(Software for measurement and data processing)

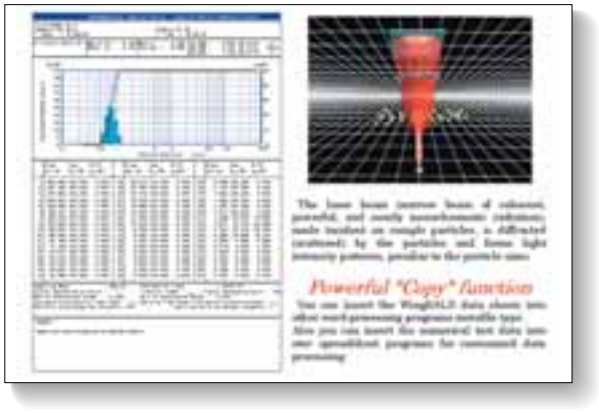
WingSALD software is a 32-bit program designed for Windows®95/98/NT4.0

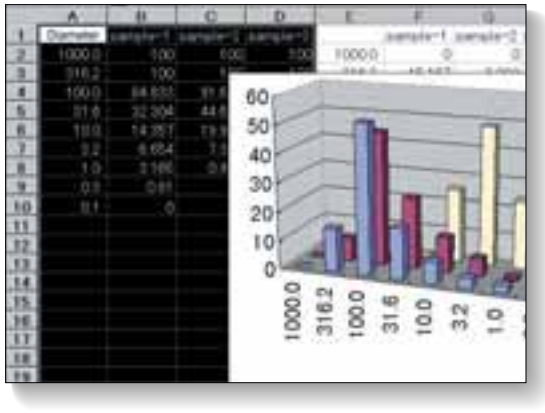
Strong points of ***WingSALD***:

- Easy operation
- Various data processing
- Presentation of a large amount of particle size distribution data and light intensity distribution data by using ***MDI***(multiple document interfase)
- Recalculation of maximum 12 data at one time changing refractive index
- WingSALD software consists of 3 ***Wing*** sub programs.

Powerful “Copy” function

You can insert the ***WingSALD*** data sheets into other wordprocessing programs in metafile type.
Also you can insert the numerical text data into other spreadsheet programs for customised data processing.

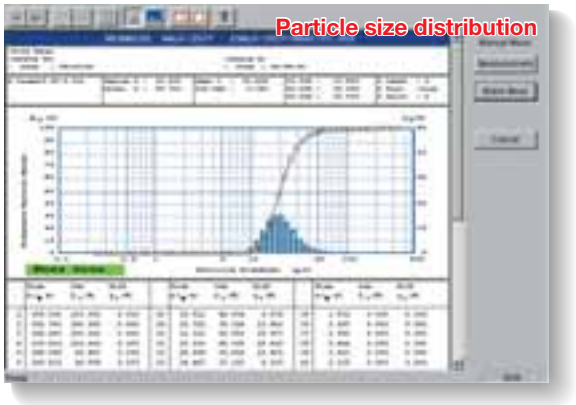


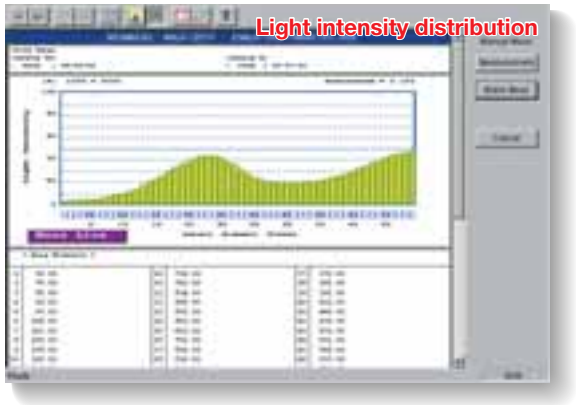


Real-time monitoring of sample dispersion

Wing 1

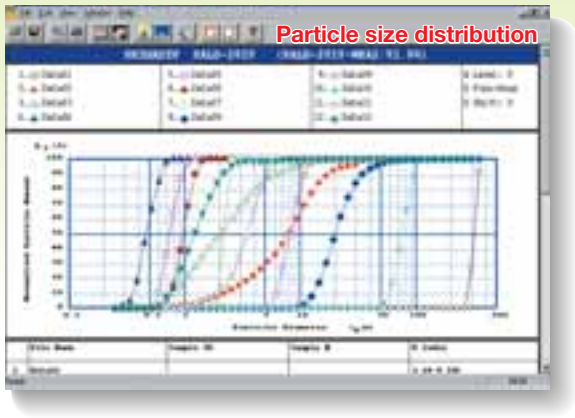
You can monitor sample dispersion by using real-time display of particle size distribution as well as light intensity distribution.

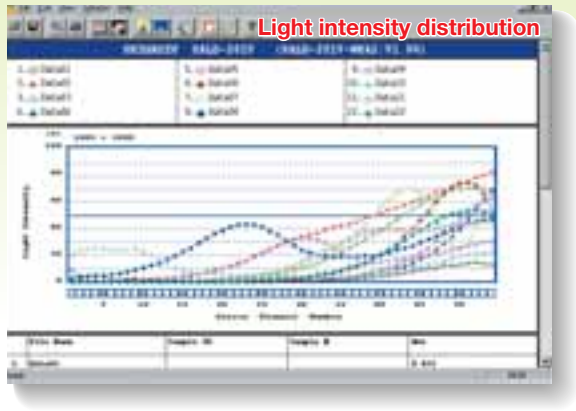




Overlay graph of maximum 12 data

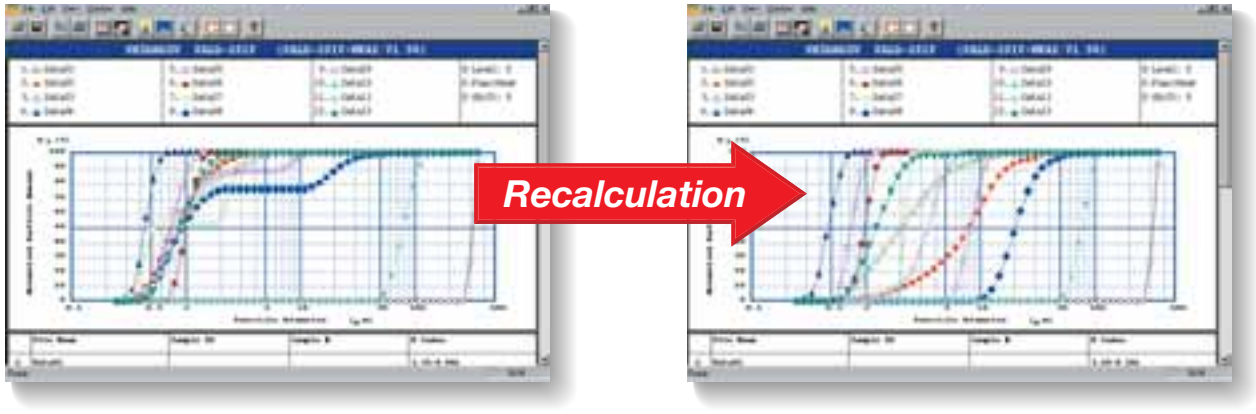
Wing 2





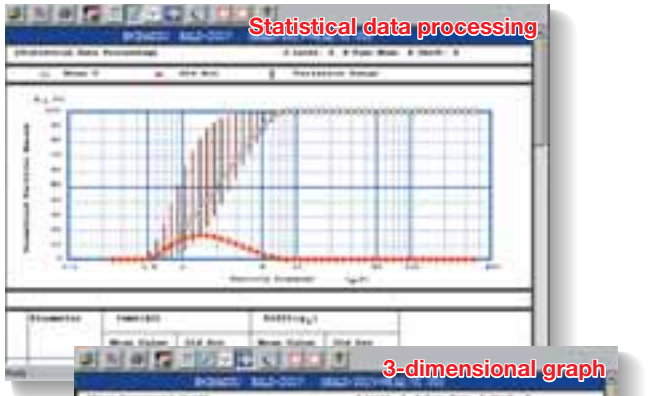
Recalculation of maximum 12 data at one time changing refractive index

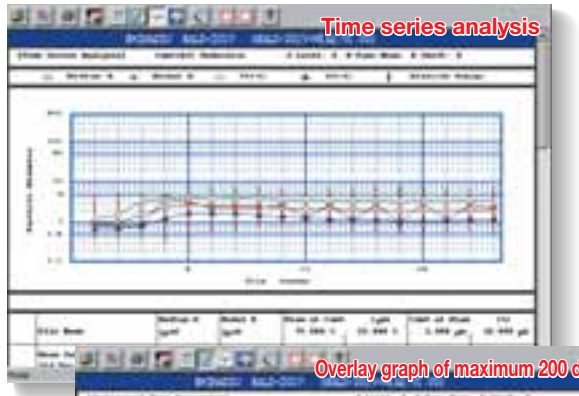
Wing 2

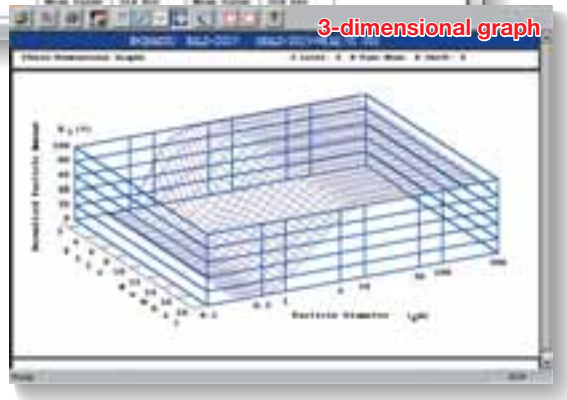


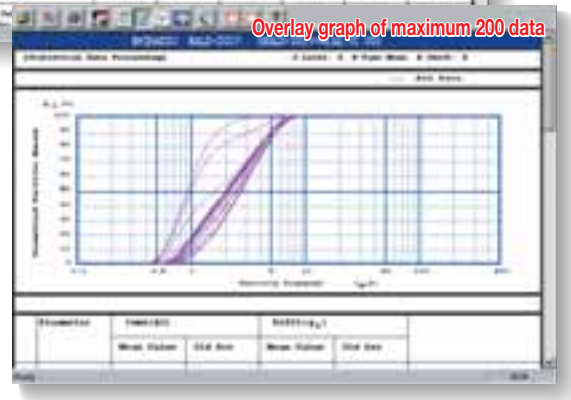
Statistical data processing, time series analysis, 3-dimensional graph in simple operation

Wing 3









Specifications

		Model-1	Model-2
Method of measurement		Laser diffraction method	
Measuring range		0.25–50μm*	0.25–350μm*
Optical system	Light source	Semiconductor laser (670 nm in wavelength)	
Sample cell	Batch cell	Pyrex glass and tetrafluoroethylene	
	Flow-thru cell	——	Fused silica, SUS304, and tetrafluoroethylene
Sampler	Sample bath	——	SUS304 and about 200cm^3 in capacity
	Liquid pump	——	Peristaltic pump, about 1,000cm^3/min. in the maximum delivery rate
	Material of wetted parts	——	SUS304, silicone rubber, and polypropylene
Power requirement	Analyzer main unit	100, 110, 120, 200, 220 or 240 VAC as ordered, 100VA	
	Analyzer main unit with CE mark	100, 115, 230VAC, 100VA	
	Sampler	——	100, 110, 120, 200, 220 or 240 VAC as ordered, 100VA
	Sampler with CE mark	100, 115, 230VAC, 100VA	
Dimensions and Weight	Analyzer main unit	About 28cm wide, 34cm deep, 51cm high, and about 25kg in weight	
	Sampler	——	About 24cm wide, 33cm deep, 29cm high, and about 11kg in weight
Environmental requirements	Temperature	10–30℃	
	Humidity	20–80%	
PC hardware requirements		IBM 100% compatible Windows® 95/98/NT4.0 ; CD-ROM drive ; Pentium® ; 16MB RAM ; 20MB of free HD space ; 1 serial ports (when the sampler is to be controlled by PC)	

*Depends on the characteristics of the sample particles.

- Windows is a registerated trade mark of Microsoft Co.
- Pentium is a registerated trade mark of Intel Co.
- SALD is a registerated trade mark of Shimadzu Co.

P/N

Model-1 with CE mark	Model-2 with CE mark	Model-1	Model-2
346-62325-12	346-62325-52	346-62325-11	346-62325-51

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