

SALD-301V

Shimadzu
Laser Diffraction Particle Size Analyzer



Equipped with Violet Laser

- High performance
- High accuracy
- High reliability
- High resolution
- Compact body
- Easy operation
- Unique data presentation

Features

- SALD-301V is the first particle size analyzer in the world equipped with a violet semiconductor laser (405nm wave length) .
The contribution of violet laser increases accuracy and resolution of sub-micron particle size analysis. Especially, Deep blue sub-micron particles (which absorb red laser) can be measured accurately with a violet laser.
- SALD-301V is ideal for wet analysis of paints, foods, drinks, cosmetics, and pharmaceuticals.

- Measuring range

Model-1	Model-2
0.1-50 μ m	0.1-350 μ m

Specifications

Model	components	Measurement cell	Measuring Range	Footprint
Model-1	Measurement unit	Batch cell	0.1- 50 μ m	870 cm ²
Model-2	Measurement unit with Sampler	Batch cell / Flow-thru cell	0.1-350 μ m	1470 cm ²

Method	Laser diffraction method		
Measurement unit	Light source	Semiconductor laser (405nm wave length)	
	Photo sensor	Ring-shaped sensor (54 elements)	
	Power requirement	(Standard)	100,110,120,200,220 or 240 VAC as ordered. 100 VA
		(With CE mark)	230 VAC, 100VA
Dimensions and weight	About 28cm wide, 34cm deep, 51cm high, Cand about 25kg in weight		
Sampler	Sample bath	SUS304, 200cm ³ in capacity	
	Liquid pump	Peristaltic pump, about 1000cm ³ /min in the maximum capacity rate	
	Material of wetted parts	SUS304, Silicone rubber, Polypropylene	
	Power requirement	(Standard)	100,110,120,200,220 or 240 VAC as ordered. 100 VA
		(With CE mark)	230 VAC, 100VA
Dimensions and weight	About 24cm wide, 23cm deep, 29cm high, and about 11kg in weight		
Measurement Cell	Batch cell	Pyrex glass, Tetrafluoroethylene	
	Flow-thru cell	Fused silica, SUS304, Viton	
Environment requirements	Temperature	10-30C	
	Humidity	20-80%	

PC System Requirements

Processor	133 MHz or higher Pentium-compatible CPU	Available disk space	20 megabytes (MB)
RAM	32 megabytes (MB) of RAM recommended	CD-ROM drive	Yes
Operating System	Microsoft Windows [®] 95/98/NT4.0/2000	Serial port	1Pport
Monitor	Super VGA or higher resolution monitor		

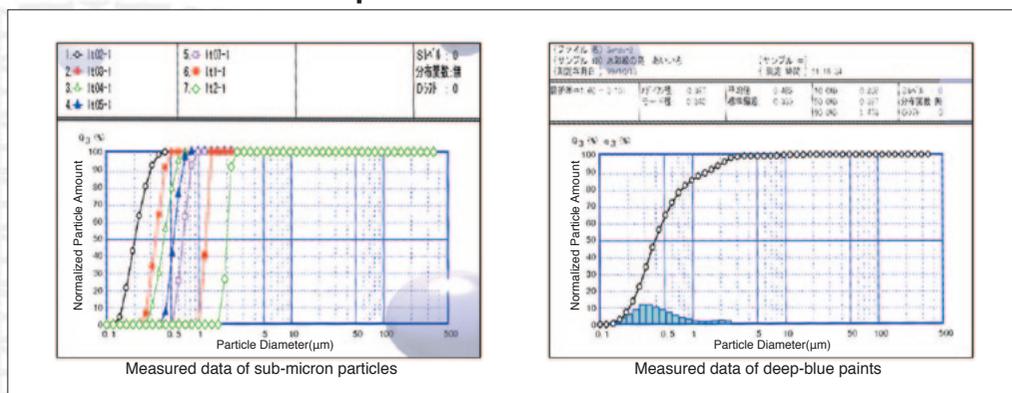
*Windows is a registered trademark of Microsoft Co.

*Pentium is a registered trademark of Intel Co.

Parts Number

Model-1	Model-2	Model-1 with CE mark	Model-2 with CE mark
346-63401-11	346-63401-51	346-63401-12	346-63401-52

Measurement Examples



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