

Particle Characterization Analyzers

Laser Diffraction Particle Size Distribution Analyzer

Dynamic Light Scattering Size Measurement

Zeta Potential Determination

Static Image Analysis for Size and Shape

Dynamic Imaging Particle Size/Shape Analyzer

Flowing Gas BET Surface Area Analysis

The Latest Lineup!

Laser Diffraction Particle Size Distribution Analyzer partica LA-950V2



The LA-950V2 uses an innovative optical system to obtain the world's widest dynamic range of 10 nm - 3000 µm. This makes it possible to perform precise particle size measurements on a wide range of samples for many different industries. From ultra-fine nano-sized particles to visible particles, they all can be measured with this single instrument. Designed to handle the entire range of applications extending from the complex requirements of research to routine quality control procedures, the LA-950V2 offers practicality that is easy to use and obtain precise results.

- AquaFlow standard system for aqueous dispersions.
- SolvoFlow upgraded system for organic solvent dispersions.



10 nm - 3 mm









PowderJet Dry Feeder

When the dry unit is installed, vou can switch back and forth between dry and wet measurement by simply sliding the cell tray. The cell can be changed with ease, allowing you to select the necessary measurement procedure at any time.

Fraction Cell

The cuvette-type Fraction Cell allows liquid suspensions as small as 10 ml to be measured, making it perfect for measuring very valuable, extremely small, or hazardous materials.

Mini Flow

Minimize sample and dispersant volume requirements with all the convenience of a fully automated circulation system. The software controls all sequences such as fill, rinse and drain: no manual operation required.

Auto Sampler

The auto sampler is a 24 position carousel-type system with the contents of each sample cup being added to the analysis system individually for each measurement.

Paste Cell

This accessary is ideal for magnetic samples or materials that flocculate

Nanoparticle Analyzer nano **Partica** SZ-100 series

The Industry's Widest Range and Highest Precision Measurement Using **Dynamic Light Scattering** From 0.3 nm to 8 µm

Nano-technology research and development requires controlling substances at the atomic and molecular level in order to achieve new functionality. The miniaturization of materials, control at the nano-level, is necessary to achieve faster, higher-performance devices and to reduce energy consumption. Nano-technology has come to play a key role in wide-ranging fields that affect our daily lives, including food, cosmetics, and the life sciences.

Clear and simple multiple characterization analysis of nano-particles! Three analyzers in a single-compact box delivers high-sensitivity, highaccuracy analysis of each of these measurement parameters.

- Particle Diameter Measurement Range 0.3 nm to 8 µm
- Zeta Potential Measurement -200 to +200 mV
- Molecular weight 1x10³ to 2x10⁷ g/mol







	Cell Name	Measurement Application	Minimum Sampling Volume	Solvent
А	Disposable cell	Particle diameter/ Molecular weight	1.2 mL	Aqueous
В	Semi-micro cell		500 μL	Aqueous, Non-aqueous
С	Glass cell		1.2 mL	Aqueous, Non-aqueous
D	Semi-micro disposable cell		600 μL	Aqueous
Е	Cell with lid		1.2 µL	Aqueous, Non-aqueous
F	Micro-cell (Side detector only)		12 µL	Aqueous, Non-aqueous
G	Sub-micro cell		200 μL	Aqueous, Non-aqueous
Н	Flow cell		100 μL	Aqueous, Non-aqueous



Carbon Cells

Laser Diffraction Particle Size Distribution Analyzer

LA-930 ----



Advancing The State of The Art for Laser Diffraction 0.02 - 2,000 μm

HORIBA's previous full-range analyzer, measuring 0.02-2000 µm, in a fully automated system allowing one-button operation. The LA-930's features total solvent resistance together with improved software and hardware. A full range of accessories are available to tailor the system to the user's application requirements including:

- Dry Powder Feeder
- Autosampler
- Fraction Cell
- Temperature Control

Automated Image Analysis to Measure Particle Size and Shape 0.5 to 1000 um

The HORIBA PSA300 is a state of the art turnkey image analysis solution. Seamless integration of Clemex's powerful particle characterization software and an automated microscope with high resolution camera creates an intuitive, easy-touse imaging workstation.

- Reference method for other particle sizing techniques
- Depth profiling for overlapping particles
- Four position Auto Sampler
- Dry Disperser for proper particle dispersion

Static Image Particle Size Analyzer



Laser Diffraction Particle Size Distribution Analyzer • • • LA-300

HORIBA's Premium Design in an Economical Package 0.1 - 600 µm

Compact, portable, and affordable; the LA-300 measures 0.1-600 µm to cover a wider spectrum of applications at a lower cost than the full range models. The compact size also makes it attractive for applications that require a portable analyzer, such as spot checks at customer sites or at various points at a manufacturing facility. The highly-refined optical design and algorithm provides measurement results in 20 seconds, with superior accuracy and precision. The following options are available:

- Auto Fill System
- Slurry Sampler
- Fraction Cell
- Shipping Case









BET Multipoint Surface Area Analyzer SA-9600 Series

Automated, repeatable, accurate measurements.

0.1 to > 2000 square meters per gram

The SA-9600 Series Surface Area Analyzers HORIBA's breakthrough series brings exceptional convenience to surface area analysis. Now you can perform single-point surface area and multi-point surface area measurements with push-button ease.

- Single station or three station configuration
- Single point or multi-point analysis
- Simple low surface area measurement
- Sample prep station available

SA-9601

SA-9603

Digital Imaging Particle Size/Shape Analyzer • • • CAMSIZER

Fully Visualized Particle Size and Shape Analysis 30 µm to 30 mm

The CAMSIZER Dynamic Digital Image Processing Particle Size and Shape Analyzer provides rapid and precise particle size and particle shape analysis. It can be used for all dry, flowable bulk materials and powders in the size range from 30um to 30mm. This technique provides a wide variety of information about the sample, from a general size measurement, to shape parameters determination. These parameters can be closely correlated to specific performance characteristics. This allows correlation to existing data from techniques as diverse as sieving and sedimentation.

- Auto Sampler for routine analyses
- Ionizer for sample dispersion of dry materials



- Motorized Guidance Sheet
- Calibration reticle for ISO traceability

Digital Imaging Particle Size/Shape Analyzer





Measurement of fine powders, granules and suspensions 1 µm to 3 mm

The CAMSIZER XT is an advancement of the wellproven optical measurement system CAMSIZER for finer samples. It features newly developed optics with a higher resolution and enhanced options for sample feeding and dispersion. It is ideal for pharmaceutical powders, granules, fine pellets, pulverized and granulated materials. It covers applications from food to powdered detergent to metal and ore samples, abrasives, fine sands and cement, and also wood or plastic fibers. All of these can be run in either the wet or dry state.

- X-Fall Gravity Module IQ/OQ/PQ Validation
- X-Flow Wet Module
- PAA 21 CFR Part 11 Software



Please read the operation manual before using any of these products to ensure safe and proper handling.

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