

ZETASIZER NANOSAMPLER

Automated size measurement for the Zetasizer Nano

 PARTICLE SIZE

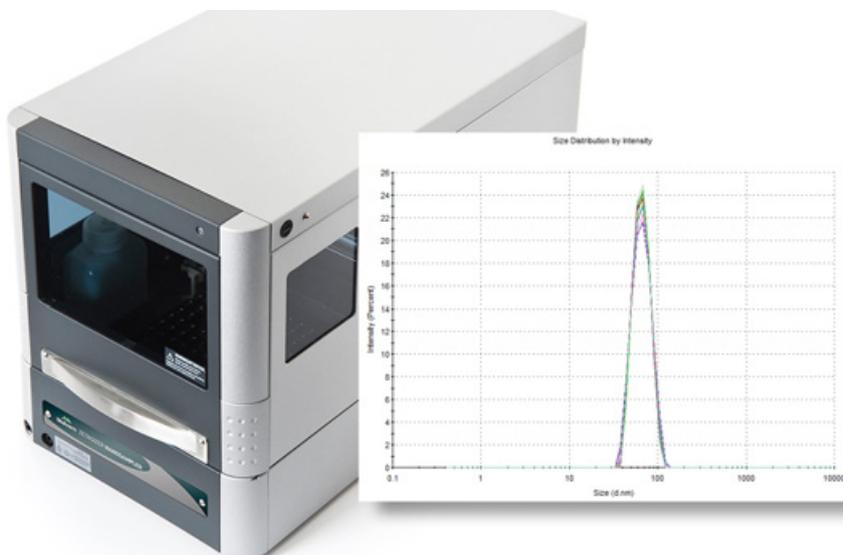
 MOLECULAR SIZE

Key Benefits of the NanoSampler

- Automated measurements reduces operator bias and improves laboratory efficiency
- Unattended multivariate analysis simplifies exploration of the effect of key formulation parameters
- Automates reproducibility studies
- Improved sample throughput
- Reduced operator time
- Maximises the return on your Zetasizer investment
- Simple change over from automated to manual measurements

Introducing the Zetasizer NanoSampler - Providing automated sample delivery for the Zetasizer Nano.

The Zetasizer Nano is the market-leading DLS system with unrivalled performance, made accessible to users of all abilities. Innovations such as the unique NIBS technology push the boundaries of detection limits while simultaneously removing user-influenced variables, thereby achieving better quality, more reproducible data with simplified operation. With the introduction of the new Zetasizer NanoSampler, these benefits can now be applied to an even larger sample set.



30 replicate sample loadings of a 60nm polystyrene latex standard show a standard deviation of only 0.287.

The NanoSampler adds automation and unattended operation in a versatile, compact package, maximising the productivity of your Zetasizer Nano. This is all achieved while maintaining highly precise and reproducible results (as shown in the graph), with confidence in quality of data assured by a carryover of less than 0.05%. The system can be used with a wide range of viscosities and has excellent solvent compatibility.

While the benefits of automated operation are useful for all users, the NanoSampler is ideally suited to laboratories where a large number of measurements are required and reproducibility or multi-variate studies are important.

The NanoSampler can accommodate up to 96 sample vials, accurately delivering up to 3 sequential aliquots of each sample into the Zetasizer Nano for automated particle or molecular size measurements. All operation remains within the easy-to-use Zetasizer software using the simple Standard Operating Procedure (SOP) interface.

The NanoSampler is a powerful addition to the Zetasizer Nano range, reducing the time to achieve the results you require from large sample sets by maximising instrument throughput. The NanoSampler is delivered complete with the software, analysis cell and fittings to attach to the Zetasizer Nano* instrument, and, of course, is covered by the industry leading world-wide Malvern applications, support and service.

(*Please provide the serial number of your existing Zetasizer Nano instrument if ordering as an upgrade).

Parameter	Specification
Carryover	<0.05% *
Minimum sample volume for single loading	750µL
Maximum sample viscosity	6.44cP
Sample capacity	96 x 1.5mL vials in 2 plates
Injections per vial	1-3 programmable
Dimensions and weight (w x d x h)	300mm x 510mm x 360mm; 19Kg
Communication port	USB 2.0
Power requirements and consumption	100 - 240Vac +/- 10%, 50 - 60Hz; 200VA

*Sample dependent



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