FRITSCH

Laser Particle Sizer A-22 NeXT Nano and Micro

Price and performance redefined – for measurements down to the nano-range

Measuring range Nano	0.01–3800 µm
Measuring range Micro	0.5–1500 µm
Suspension volume wet dispersion	150–500 ml
Sample volume dry dispersion	1–300 cm^3

- **Extremely wide measuring range** – perfectly equipped for all measuring tasks
- **Ultra-fast measuring times** of less than a minute
- **Especially quick rinsing** – four times faster than usual
- **Wear-free and low-maintenance** one professional maintenance per year is sufficient
- **Highly accurate measuring results** – that exceed ISO 13320
- **Modular concept** – the instrument grows with your sizing tasks

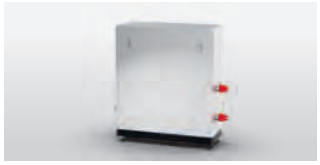
Fast measurement – highest accuracy

The FRITSCH A-22 NeXT Nano is your Laser Particle Sizer, when it comes to the highest accuracy and sensitivity even with the smallest particles - with an extra wide measuring range from 0.01 to 3800 µm. And as Micro version an economy alternative for a smaller measuring range from 0.5 to 1500 µm. Both are designed with just one laser and a number of patented features for maximum durability with minimum maintenance. Installation is easy via plug and play, thorough cleaning without tools with just few simple steps. And the high-performance software – delivered free of charge – offers unique options for evaluation and documentation and meets the requirements of 21 CFR Part 11.

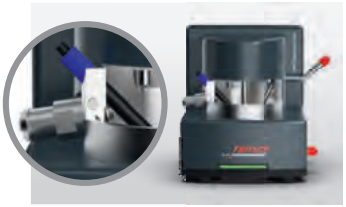
The modules

Module Dry dispersion unit
It's height-adjustable funnel and a stirrer made of stainless steel ensure optimum sample feeding adapted to the respective sample material.

Module Wet dispersion unit
Fast, uniform distribution of the sample material thanks to the powerful centrifugal pump with adjustable speed.



Module Ultrasonic box
For even finer adjustment of the wet dispersion to the respective sample – ideal if you frequently measure sample materials that tend to agglomerate.



Module pH measurement
Simple, continuous monitoring of the pH value of the dispersion liquid – covers fluctuations much more effectively than the zeta potential.

Module Extreme chemical resistance
The special conversion kit for problem-free measurement when using aggressive organic solvents such as benzene or hexane.

Technical Data

A-22 NeXT

Standard	ISO 13320
Method of analysis	Static light scattering (laser diffraction)
Type of analysis	Dry and wet measurement of the particle size of solids, suspensions and emulsions
Weight*	37–43 kg
Dimensions w x d x h*	67 x 68 x 29 / 67 x 75 x 39 cm
Electrical details	for 100-240 V/1~, 50-60 Hz, 120 Watt

*depending on configuration

Contact us
for a non-binding consultation or an individual test particle analysis of your material to recommend the appropriate instrument configuration and the optimal sizing parameters.

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More information on the A-22 NeXT in the particle sizing section at www.fritsch-international.com.