

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

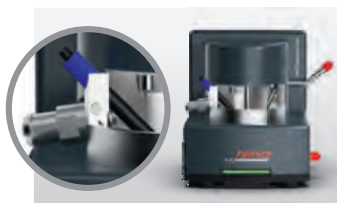
minimum maintenance. Installation is easy via plug and play, thorough cleaning without tools with just few simple steps. And the high-performance software – delivered free of charge – offers unique options for evaluation and documentation and meets the requirements of 21 CFR Part 11.

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 pH measurement

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



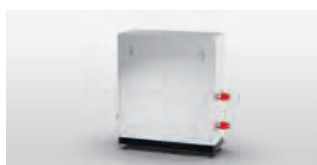
Module Wet dispersion unit

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



Module Extreme chemical resistance

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



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.

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

24 V DC/120 Watt via included power supply unit for 100-240 V/1~, 50-60 Hz

*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.

