

Laser Particle Sizer ANALYSETTE 22 NanoTec plus



Measuring Unit

With a total measuring range of 0.01 – 2000 μm in a single instrument, the ANALYSETTE 22 NanoTec plus is the ideal, universally applicable Laser Particle Sizer for the effective and reliable determination of particle size distributions.

The large measuring range is obtained with the utilization of two lasers with different wave length. A green laser is used for the small particle range whereas an IR-laser is utilized for the measurement of larger particles.

Dry Dispersion Unit

Dry dispersion is ideal for dry, free-flowing and non-sticking materials. Especially coarse material can be measured with it very well and easily.

With the dry dispersion unit the sample material is transported continuously via a vibratory feeder through the measuring cell via an air flow, measured and then vacuumed off. The needed sample material amounts of $< 1 - 100 \text{ cm}^3$ are a clearly higher as with a wet dispersion

Wet Dispersion Unit

A wet dispersion unit is a closed liquid circuit in where the sample can be added either as a dry powder or also as a suspension and is continuously transported during the measurement.

The wet dispersion is suitable for almost all materials which do not dissolve in liquid. The advantage compared to the dry dispersion is the higher efficiency and greater flexibility of the dispersion process and the mostly very simple and comfortable handling.

Equipment

Compressor, Laptop with special software, Vacuum-cleaner.