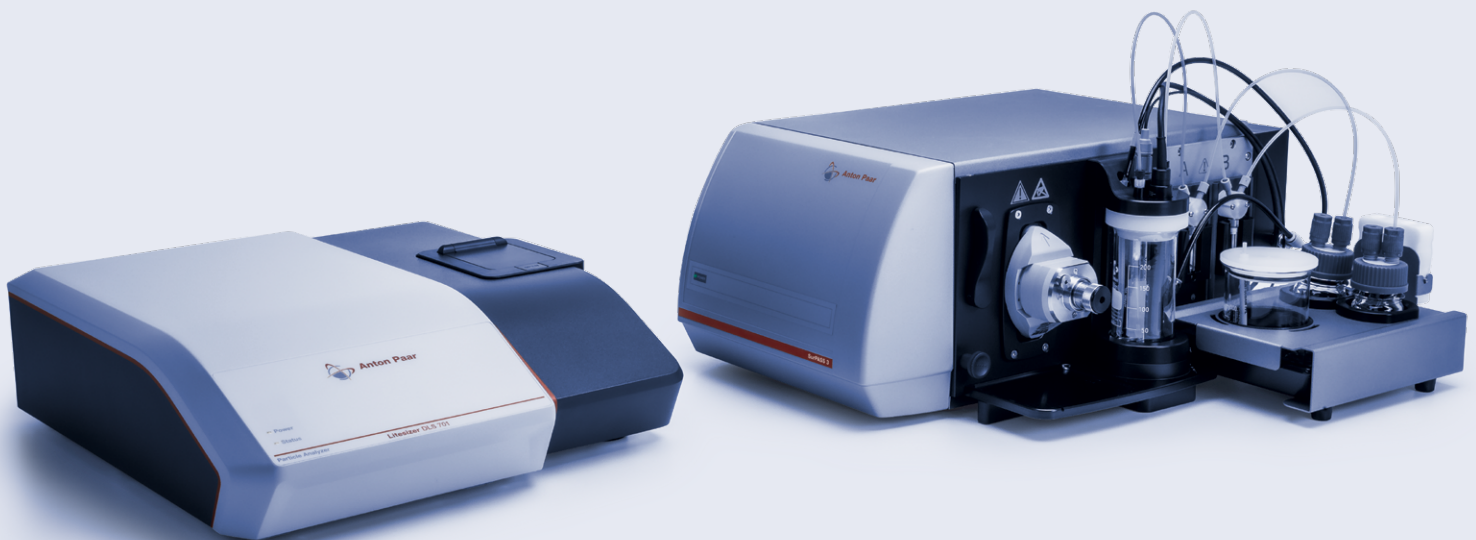


Zeta Potential Analyzers

Litesizer DLS Series | SurPASS 3

Unlock deeper insights into particle and surface interactions – accelerate research in polymers, membranes, cosmetics, semiconductors, and more.



Find out more

Comprehensive zeta potential analysis

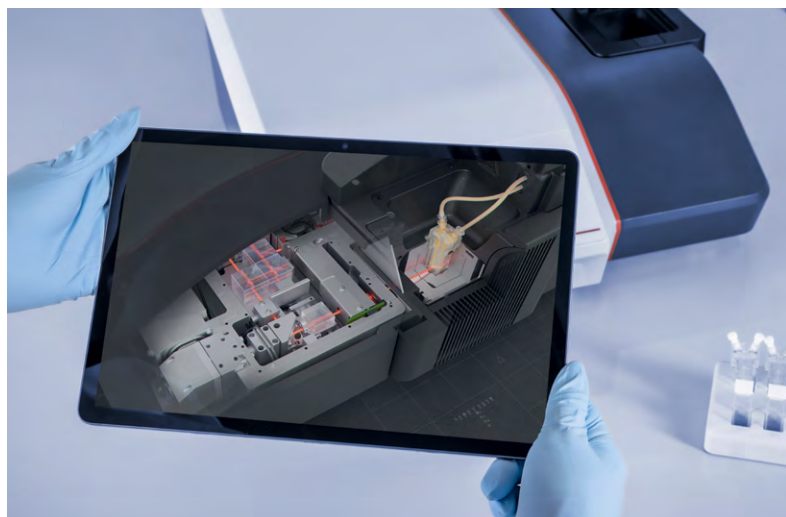
From nanoparticles in dispersions to macroscopic surfaces, Litesizer DLS and SurPASS 3 deliver a unique solution for complete zeta potential analysis – empowering you to tackle challenges across pharmaceuticals, food, cosmetics, and more.

Understand particle and surface behavior

- Litesizer DLS uses electrophoretic light scattering (ELS) to precisely measure zeta potential of particles from 1.3 nm to 100 μm , helping you optimize formulations, prevent aggregation, and ensure stability.
- SurPASS 3 uses streaming potential to reveal zeta potential on real surfaces, giving insights into their wettability and chemical modification.

Key applications include:

- **Drug delivery:** Optimize nanoparticle carriers and coatings
- **Membrane filtration:** Monitor colloidal stability and fouling
- **Food and beverages:** Stabilize emulsions and improve processing surfaces
- **Cosmetics:** Ensure agent stability and measure hair fiber response



Predict and prevent failures

Combining both instruments lets you predict how particles behave in solution and on surfaces, reducing costly trial and error and ensuring consistent product performance.

The Anton Paar advantage

Only Anton Paar offers both DLS and surface zeta potential in one portfolio. Start with either instrument and expand your capabilities as your research grows. Achieve reliable results, faster development, and better products – no matter your field.

