

## VASCO 3

### Dynamic Light Scattering Nano Sizer

- Measuring size range: 1 nm to 6000 nm
- Measuring technology: Dynamic Light Scattering (DLS) of backscattered light. Combination of back-scattered light detection and ability to control sample thickness avoiding multiple scattering errors for optimal results.
- Accurate measurements in highly concentrated and dark suspensions
- Sample concentration range: 0.001% to 40%
- Photomultiplier tube photon counting unit
- Adjustable analysis temperature: + 15 to + 70 °C
- Laser diode characteristics 658 nm/15 mW
- Minimum sample volume: 10  $\mu$ L
- Resolution: 1 to 1.4
- Patented technology for sample analysis compartment
- Sample placed directly on the instrument, no need of cuvettes or cells for sample analysis
- Open sample compartment allows easy cleaning after analysis
- On-line measurement option
- Kinetic of aggregation measurements
- Repeatability Better than 5%
- PC-based analysis software performs multi-acquisitions, size distribution simulation, kinetic size of aggregation monitoring, provides size distribution and unique Padé-Laplace inversion algorithms
- Measurement time (typical) 30 sec to 5 min depending on sample and measurement settings (programmable)
- Security and Regulatory compliance with the FDA 21 CFR Part 11 regulations with multiple levels of security
- Ambient temperature + 15 °C to + 30 °C
- Warm up time after turning on the unit: < 5 min
- Aqueous and organic solvent compatible
- Dimensions (H x W x D) 30 x 33 x 28 cm
- Power supply 110/220 V, Power consumptin < 50 W
- Lightweight and portable instrument (< 12 kg)

