NEW FEATURE: Particle sizing according to ISO 13317



Multi-Wavelength Separation Analyser

Real-Time Dispersion Stability & Particle Size Distribution



Benefits

- High-end analyser for quality control, process monitoring and R & D
- Direct, fast and objective characterization of any separation phenomena
- Analysis under original conditions
- Accelerated phase separation by patented inclination mode at gravity
- No moving parts
- Endless monitoring of sample behaviour for long-time storage information
- For concentrated and diluted suspensions and emulsions
- different cell types and customizing options to fit your application
- Easy operation, comprehensive information

Velocity Distribution Qv(v), qv(v)

 + Direct measurement no calibration / no material properties
+ Always available - fast information for quality control
+ Qualitative information about particle size and polydispersity Intensity Weighted Particle Size Distribution QInt(x), qInt(x)

+ Quantitative information about particle size distribution



Volume Weighted Particle Size Distribution Q3(x), q3(x)

+ Quantitative information about particle size and volume fraction of each class + Conversion into mass or number distribution

Specifications

- Multiple light sources with different wavelengths
- Advanced optics, variable light intensity
- Temperature control from room temperature + 4K to 60° C, ±1 K
- Measuring time 1 sec months
- Append measurement option for long-time monitoring
- Sample volume 0.5 ml 4 ml (depending on cell type)
- Sample concentration 0.00015 Vol% 75 Vol%
- Particle size: 500 nm hundreds of μm
- PC controlled operation, USB 2.0 interface
- Conformity: ISO 13317; CFR 21 Part 11

LUM GmbH, Berlin, Germany

Phone: +49 30 6780 60 30 E-Mail: info@lum-gmbh.de

- Web: www.lum-gmbh.com
 - www.LUMiReader.com
 - www.dispersion-letters.com

LUM The NEXT STEP[®] in Dispersion Analysis

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