Specifications

Accelerated phase separation	up to 10 times at gravity (acceleration depends on sample properties)
Particle size distribution range	< 500 nm to 300 µm
Observation time	0.5 s to unlimited
Conformity	ISO/TR 13097; ISO/TR 18811; ISO 13317; ASTM D7827; ISO 18747; CFR 21 Part 11; NF X31-107; ISO/TS 22107

Sample properties

Samples	suspensions, emulsions, suspo-emulsions, sludges, slurries
Channels	1 sample
Volume	0.2 ml to 4.0 ml
Concentration	0.00015 Vol% – 75 Vol%
Particle density	up to 22 g/cm³
Particle size	200 nm to 2000 µm

Technical specifications

Light source	multi-wavelength (NIR, red, blue)
Working temperature range*	4 °C to 80 °C (+/- 0.03 K)
Temperature stability*	0.4 K
Temperature uniformity (in sample)*	0.2 K
Ambient temperature	5 °C to 40 °C
Tilt	vertical (0°) to 5°, 10°, 15°, 20°, 25°, 30°
Cells	di erent materials, optical path 1 mm to 10 mm
Dimensions (WxHxD), Weight	29 x 24 x 44 cm3 / 11 kg
Power supply	24 V, Adapter (100 V to 240 V) included
Data interface	Network adapter

*with external thermostat

LUM The NEXT STEP in Dispersion Analysis & Materials Testing

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