Specifications

Measurement principle	Monoenergetic X-ray attenuation
Phase separation	High concentrated dispersions (transparent or opaque)
In situ sediment analysis	Packing density & structure
Stability analysis	From seconds to days or weeks
Consolidation measurement	Also in combination with LUMiFuge & LUMiSizer
Conformity	ISO/TR 13097; ISO/TR 18811; ISO 18747-1, CFR 21 Part 11

Samples	Suspensions, Emulsions, Suspo-Emulsions, Sludges, Slurries, Foams & Powders
Channels	1 sample
Volume	0.3 ml to 1.6 ml
Concentration	Up to 100 Vol%
Particle	any shape, from nano to microscale, no density restriction

Source	Monoenergetic X-ray, 17.48 keV, max 20 W at 40 kV, air cooled
Monochromator	Graphite
Disturbance free	No moving parts
Dimensions (WxHxD), Weight	47 x 24 x 44 cm^3, 25 kg
Power supply	24 V, 220 W, Adapter (100 V to 240 V) included
Safety	Fully radiation protected system; Radiation < 1 µSv/h (BfS 03/13 V RöV)
Radiation control requirements	None; instrument can be used anywhere

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