

Liquid Particle Counters

Complete Product Line

Particle Measuring Systems offers the most comprehensive line of particle counters and sensors for every application.

Consult your local sales representative for help in selecting the best monitor for your needs and your budget without sacrificing important features.

NanoVision Technology®

Non-Volumetric

UltraChem® 40

- Sensitivity: 40 – 125 nm
- Sample volume: 2 mL/min
- Measures small particles in a wide range of chemicals including high molecular scattering fluids



UltraChem® 100

- Sensitivity: 100 – 500 nm
- Sample volume: 6 mL/min
- Adaptive reference technology makes the instrument immune to most optical contamination



SLS-1040 & SLS-1100

- High sensitivity (either 40 nm or 100 nm)!
- Small sample volume minimizes waste of expensive product
- Automated system saves time and money
- Compatibility with both corrosive and non-corrosive liquids



Parenteral Sampling

APSS-2000 System

SLS 1000 Syringe Sampler, LiQuilaz E20P, SamplerSight Pharma software and Software Validation Manual

- Sensitivity: 2 – 125 µm
- Sample size: 0.4 – 25 mL
- Sample volume: 20 mL/min.
- Meets USP <788> requirements



Parts Cleanliness Testing and Syringe Sampling

SLS 1000 with LiQuilaz®

- Syringe sampler
- Sensitivity 2 – 125 µm
- Sample size: 0.1 – 25 mL
- Sample volume: 20 mL/min.
- For use with non-corrosive liquids



SURFEX®

- Built-in LiQuilaz sensor
- Sensitivity 2 – 125 µm
- Automated ultrasonic extraction
- Increases sample throughput 10 – 20x



Without measurement there is no control.

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DI Water Applications

Non-Volumetric

Ultra DI® 50

- Sensitivity: 0.05 – 0.2 µm
- Sample volume: 3.75 mL/min.
- Background: ≤ 50 counts/L
- Highest performance monitor



HSLIS M50e

- Sensitivity: 0.05 – 0.2 µm
- Sample volume: 0.25 mL/min.
- Background: 100 counts/L
- Affordable monitor for DI water



Compression Samplers

CLS-1000 with Liquistat

- Sensitivity: 0.1 – 0.5 µm
- Sample volume: 50 mL/min.
- Maximum temperature: 194 °F (90 °C)
- Best for hot or effervescent chemicals



CLS-700 T with LiQuilaz

- Sensitivity: 0.2 – 20.0 µm
- Sample volume: 50 – 80 mL/min.
- Maximum temperature: 302 °F (150 °C)
- Best for hot or effervescent chemicals



Online and Batch Chemical Applications

Online Chemical Volumetric



Liquistat®

- Sensitivity: 0.1 – 0.5 µm
- Sample volume: 50 mL/min.
- Maximum temperature: 194 °F (90 °C)



LiQuilaz® Series S02, S03, S05, E20

- Sensitivity: 0.2 – 125 µm
- Sample volume: 50 – 80 mL/min.
- Maximum temperature: 302 °F (150 °C)
- 16-Channel spectrometer
- Best sizing accuracy

High Sensitivity Non-Volumetric



HSLIS e-Series (M65e, M100e)

- Sensitivity: 0.065 – 1.0 µm
- Sample volume: 0.6 – 3.0 mL/min.
- Flow rate: 1 – 300 mL/min.
- Cost effective



HSLIS M65 ANSI/ISA

- Sensitivity: 0.065 – 0.2 µm
- Sample volume: 0.6 mL/min.
- Ethernet or RS-485 communications
- ANSI/ISA compatible

LiQuilaz®, Liquistat®, NanoVision Technology®, SURFEX®, UltraChem® and Ultra DI® 50 are registered trademarks of Particle Measuring Systems®, Inc. Particle Measuring Systems, Inc. reserves the right to change specifications without notice.



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