

# Syringe Liquid Sampler

with UltraChem<sup>®</sup> 100 Particle Counter  NanoVision Technology<sup>®</sup>



The SLS Syringe Sampling System is ideal for applications where precise, small-volume sampling is needed. The system consists of a syringe sampler for either corrosive or non-corrosive liquids, a particle counter for different sizing sensitivities, and software.

A convenient naming system identifies the particle counter installed inside the instrument (see the **Specifications** table).

## BENEFITS

### Cost-Effective

- Small sample volume minimizes waste of expensive product
- Automated system saves time and money
- Compatibility with both corrosive and non-corrosive liquids

### Easy-to-Use

- Menu-driven data collection
- Recipes can be created and retrieved for repeatable system operation with different operators
- Optional password security maintains system integrity

### Versatile

- Ability to support a wide range of applications
- Size channels: 100, 200, 300, 500 nm
- Extremely accurate measurements

## APPLICATIONS

- Small volume chemical quality assurance
- Parts cleanliness testing
- Laboratory water sampling
- Industries: semiconductor, pharmaceutical, data storage, medical, aerospace, automotive, hydraulic oils



Without measurement there is no control.

# Syringe Liquid Sampler

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specifications

	<b>SLS-1100</b>
Syringe size	1, 5, 10 (standard) 25 ml
Sampling mode	Vacuum , Batch
Minimum sample size	0.4 ml @ 20 ml/min
Wetted surface materials	Glass, Teflon® (all Teflon optional)
Power	100 – 240 V, 50 – 60Hz
Sample volume	Adjustable using software interface
Dimensions (l, w, h)	15 x 9 x 17.1 in (38.1 x 22.0 x 43.4 cm) including particle counter
Weight	42 lb (19.1 kg) including particle counter
Environment	Temperature: 10 – 30 °C; Humidity: non-condensing

	<b>UltraChem 100</b>
SLS Instrument Label	SLS-1100
Size range	100 – 500 nm
Channels	100, 200, 300, 500 nm
Flow rate	20 ml/min
Sampled %	30%
Maximum concentration*	3,000 particles/ml
Zero count	< 50 counts/l
Maximum pressure	100 psi
Sample temperature	10 – 50 °C
Wetted surface materials	Sapphire**, Teflon, Kel-F®
Calibration	Materials used are traceable to US National Institute of Standards and Technology (NIST) and Japanese Institute of Standards (JIS).
Software	SamplerSight

\*Greater than 90% accuracy (less than 10% coincidence loss) at max. recommended concentration.

\*\* Compatible with hydrofluoric acid sampling.

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Particle Measuring Systems, Inc. reserves the right to change specifications without notice.



Particle Measuring Systems Headquarters  
5475 Airport Blvd., Boulder, CO 80301, USA  
Tel: +1 303 443-7100 +1-800-238-1801

FAX: +1 303 449-6870

Instrument Service & Support: +1 800-557-6363

Customer Response Center: +1 877-475-3317

PMS EMEA  
Tel: +44 1684 581 000  
Email: PMSEMEA@pmeasuring.com

Particle Measuring Systems France  
Tel: +33 160 10 32 96  
Email: PMSFrance@pmeasuring.com

Particle Measuring Systems Germany  
Tel: +49 2222 9299 522  
Email: PMSGermany@pmeasuring.com

Particle Measuring Systems Italia  
Tel: +39 06 9053 0130  
Email: PMSItaly@pmeasuring.com

Particle Measuring Systems Nordic  
Tel: +45 707 028 55  
Email: PMSNordic@pmeasuring.com

Particle Measuring Systems China  
Tel: +86 21 6113 3600  
Email: pmschina@pmeasuring.com

Particle Measuring Systems Japan  
Tel: +81 3 5298 8175  
Email: PMSJapan@pmeasuring.com

Particle Measuring Systems Singapore  
Tel: +65 6496 0330  
Email: PMSSingapore@pmeasuring.com

## AUTHORIZED REPRESENTATIVE

Particle Measuring Systems Brazil  
Tel: +55 11 5188 8166  
Email: PMSBrazil@pmeasuring.com

Particle Measuring Systems Mexico  
Tel: +52 55 2271 5106  
Email: PMSMexico@pmeasuring.com

Particle Measuring Systems Puerto Rico  
Tel: +1 787 718 9096  
Email: PMSPuertoRico@pmeasuring.com