

Without measurement there is no control®

APSS-2000

Automated Parenteral Sampling System



Sizes and counts suspended particulate matter in a wide range of liquids to meet regulation standards

The APSS-2000 syringe sampling system sizes and counts suspended particulate matter in a wide range of liquids and meets or exceeds all current USP, EP, and JP requirements. Recipe functions allow the APSS-2000 to adapt to future regulatory changes.

The APSS-2000 system consists of an SLS-2000 syringe sampler, a LiQuilaz® II E Series light obscuration spectrometer, and SamplerSight Pharma software, allowing reports to meet 21 CFR Part 11 regulations.

BENEFITS

Defect Reduction

- 100% sample volume for greater accuracy
- A precise sample volume within 0.4 ml is achieved with the syringe sampler, producing repeatable results
- SamplerSight Pharma software includes development documentation and full IQ, OQ, and PQ protocols
- SamplerSight Pharma complies with FDA 21 CFR 11

User-Friendly

- Reduce operator error and ensure process accuracy with repeatable sampling recipes to USP, EP, and JP standards
- Automated particle counter calibration wizard for full calibration or routine verification
- Alarm levels for pass/fail criteria ensure quality control
- Automated backup scheduling ensures data integrity

Comprehensive System

- Easy-to-use pull-down menus
- Active Directory security password maintains system integrity
- Measurements reported per ml or per container values
- Small sample volume minimizes waste of expensive product
- Electronic report approval and various custom report formats

FEATURES

- Particle size capability from 1.5 to 125 μm
- Fifteen user-selectable sizing channels
- Sample volumes from 0.4 ml to 1 liter
- Adapters for SVI and IV bag testing
- Automated sensor calibration
- Ultrasonic bath and magnetic stirrer options available

APPLICATIONS

- Pharmaceutical parenteral monitoring to USP, EP, JP and FDA standards
- Parts/medical device cleanliness testing
- Laboratory water sampling
- Water for Injection (WFI) and Purified Water (PW) testing
- Filter efficiency testing

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LIQUID SENSOR	LIQUILAZ® II E-20P	LIQUILAZ® II E-15P
Size Range and Channels	2 – 125 µm; 15 channels	1.5 – 125 µm; 15 channels
Flow Rates	20 ml/min (100% volume sampled)	
Maximum Concentration	10,000 per ml ¹	
Sample Temperature	50 – 122 °F (10 – 50 °C)	
Zero-count Level	< 1 count per 10 ml	
Capillary Size	0.5 x 0.7 mm	
Maximum Pressure	25 psi	
Maximum Sample Viscosity	35 centipoise @ 20 ml/min	
Laser Source	Laser diode	
Wetted Surface Materials	Fused Silica, Black Quartz, Teflon, Kel-F®, Kalrez®	

¹ Greater than 90% accuracy (less than 10% coincidence loss) at maximum recommended concentration.

LIQUID SAMPLER	SLS-2000
Syringe Size	1, 5, 10, and 25 ml (10 ml is standard and included)
Sampling Mode	Vacuum
Minimum Sample Volume ²	0.4 ml @ 20 ml/min
Wetted Surface Materials	Glass, Teflon
Dimensions (H x W x L)	17.1 x 9 x 15 in (43.4 x 22.9 x 38.1 cm) Including particle counter
Weight (Particle Counter)	30 lb (13.6 kg) Including particle counter
Power	100 – 240 V, 50 – 60 Hz
Environment	Temperature: 50 – 86 °F (10 – 30 °C); Humidity: 0 – 98% non-condensing

² Minimum sample volume depends on the sample syringe used.

SOFTWARE	PARTICLE MEASURING SYSTEM'S SAMPLERSIGHT PHARMA
Operating System	Windows® 10
Developer	Particle Measuring Systems
Test Procedure	Software Validation Information Notebook

NEED MORE INFORMATION? Scan the QR code to connect with our team for guidance



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