

APSS-200

Automated Parenteral Sampling System

The new APSS-200 syringe sampling system with SamplerSight-Pharma is designed to size and count suspended particulate matter in a wide range of liquids. This system meets and exceeds all current USP test <788> requirements and is engineered to adapt to future regulatory changes. The APSS-200 system consists of an LS-200 syringe sampler, a LiQuilaz® volumetric spectrometer and APSS-SamplerSight-Pharma software, which meets the current FDA-21-CFR-11 "Electronic Records and Signatures" rulings.

BENEFITS

Defect Reduction

- 100% view volume means greater accuracy for tighter process control
- A precise sample volume within 0.1 milliliter is achieved with the syringe sampler, producing repeatable results
- SamplerSight-Pharma software comes with the Validation Information Notebook, SampleSight-Pharma providing comprehensive software development documentation.
- SamplerSight-Pharma was designed to comply with the FDA 21-CFR-11 rulings.

User-Friendly

- Reduce operator error and ensure process accuracy with recipes, which contain sample description, sample volume, flow rates, channel sizes, sample limits, report formats, and storage options
- Automated sensor calibration takes less than 30 minutes
- Alarm levels for pass/fail criteria can be created to ensure quality control

Comprehensive System

- Easy to use, pull-down menus with context sensitive help
- Security password maintains system integrity
- Particle measurements are reported as differential or cumulative counts
- Small sample volume minimizes waste of expensive product
- Various report formats are available
- Small footprint for easy transport from one sample point to another



FEATURES

- Sizing sensitivities from 2 to 125 microns
- 15 user-selectable sizing channels
- Meets and exceeds all USP requirements
- Sample volumes from 1 milliliter to 1 liter
- Samples effervescent chemicals
- Small footprint, compact system
- Automated sensor calibration

APPLICATIONS

- Pharmaceutical parenteral monitoring to USP, BP, and EP standards
- Parts/medical device cleanliness testing
- Laboratory water sampling
- Filter efficiency testing

Without measurement, there is no control.



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Liquid Sensor

LiQuilaz E-20

Size range:	2-125 µm
Size channels:	15
Flow rates:	10 or 20 ml/min.
Volume sampled:	100%
Maximum concentration*:	10,000 per ml
Sample temperature:	10-50° C
Zero count level:	<1/ml
Capillary size:	0.5 x 0.7 mm
Maximum psi	25
Laser source:	Laser diode
Wetted surface materials:	Glass, teflon, Buna-N, Stainless steel
Dimensions (l, w, h):	12.25 x 4.5 x 4.25 inches (31.1 x 11.4 x 10.8 cm)
Weight:	6.1 lbs. (2.8 kg)
Power:	from sampler
Communications:	RS-485
Calibration fluid:	De-ionized water
Calibration:	Materials used are traceable to the USA National Institute for Standards and Technology
Environment:	Temperature 10-35°C Humidity: noncondensing
Liquid Sampler	LS-200
Syringe size:	1, 5, 10 & 25 ml (10 ml is standard and included with sampler)
Sampling mode:	Vacuum
Minimum sample size:	10% of syringe volume
Wetted surface materials:	Glass, Teflon
Dimensions (l, w, h):	100-240V, 50-60 Hz, 1.25amp max
Weight:	15.75 x 7.6 x 11.25 inches (40 x 19.3 x 28.6 cm)
Power:	22.5 lbs (10.2 kg)
Environment:	Temperature 4- 40° C Humidity: noncondensing
Operating system:	Windows® 2000, XP
Software	SamplerSight-Pharma
Operations:	User's manual
Test procedures:	Software Validation Information Notebook
Developer:	Particle Measuring Systems, Inc.

Particle Measuring Systems reserves the right to change specifications without notice.
 U. S. Patents and applications apply - 5,476,002 and 5,667,226; foreign patents pending.
 AiM™ is a trademark of Particle Measuring Systems, Inc.
 HyperTerminal® is a registered trademark of Hilgraeve, Inc.

AUTHORIZED REPRESENTATIVE



Registration applies to the Boulder, Colorado facility



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