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LiQuilaz® E20, E20P

Particle Counting Spectrometer for Liquids

The LiQuilaz E20 and E20P optical particle counters are volumetric particle counters with sizing sensitivities from 2 - 125 microns.

Volumetric particle counters offer the highest precision possible by measuring 100% sample volumes so that short sampling intervals can be utilized without sacrificing statistical significance.



BENEFITS

Yield Improvement

- Real-time characterization and analysis of particle concentration for immediate response to contamination
- Optional software makes process control easy by providing alarm settings, status conditions, sampler setup, and online help
- Volumetric measurements provide greater accuracy for tighter process control

Versatile

- Supports a wide range of applications and fluids
- E20 is available for online use
- E20P is available for use with syringe samplers
- In-line and batch sampling capabilities
- RS-485 networking compatibility
- FDA 21CFR11 compliant

Easy To Use

- Small footprint for easy placement anywhere in the process
- Flexible software provides numerous viewing options for real-time or retrieved data
- User selectable particle size thresholds

FEATURES

- Sizing sensitivities from 2 - 125 µm
- 15 user-adjustable sizing channels
- Volumetric - 100% view volume
- Facility Net, SamplerSight, Pharmaceutical Net, or SamplerSight Pharma software
- Compact system

APPLICATIONS

- Pharmaceutical
- Medical device cleanliness testing
- Chemical quality assurance
- Chemical delivery systems
- Parenteral sampling

Without measurement, there is no control.

PARTICLE MEASURING SYSTEMS®
www.pmeasuring.com

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Specifications

LiQuilaz E20, E20P

Size range:	2-125 µm
Size channels:	15
Flow rate (ml/min):	70 mL/min. (E20) or 20 mL/min. (E20P)
Sample volume:	Volumetric; 70 mL/min. (E20) or 20 mL/min. (E20P)
Maximum concentration*:	10,000 particles/mL
Sample temperature:	10-50°C
Zero count:	< 50 cts/L
Maximum pressure:	20 psi
Laser source:	Laser diode
Wetted surface materials:	Teflon®, glass, stainless steel, BUNA-N, NOA61**
Dimensions (l, w, h):	13 x 4 x 5 in. (32 x 11 x 11 cm)
Weight:	6 lb. (3 kg)
Power:	85-250 V, 50-60 Hz
Communications:	RS-485
Calibration:	Materials used are traceable to USA NIST
Environment:	Temperature: 10-35°C Humidity: noncondensing

*Greater than 90% accuracy (less than 10% coincidence loss) at maximum recommended concentration.
**Only dilute IPA for disinfecting of systems is recommended. Chemicals and solvents can attack the integrity of glued capillaries.
U. S. Patent no.4,728,190
LiQuilaz® is a registered trademark of Particle Measuring Systems, Inc.
Teflon® is a registered trademark of DuPont.
Particle Measuring Systems, Inc. reserves the right to change specifications without notice.

AUTHORIZED REPRESENTATIVE

CE BSI FM 40574 **Registration applies to the Boulder, Colorado facility**

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