

# LiQuilaz

## Particle Counting Spectrometer for Liquids

## specifications

	LiQuilaz S02	LiQuilaz S03	LiQuilaz S05
Size range	0.2-2.0 $\mu\text{m}$	0.3-3.0 $\mu\text{m}$	0.5-20.0 $\mu\text{m}$
Channels		15	
Flow rate (ml/min.)	50 mL/min. $\pm$ 10%	80 mL/min. $\pm$ 10%	80 mL/min. $\pm$ 10%
Sample volume	Volumetric 50 mL/min. (100%)	Volumetric 80 mL/min. (100%)	Volumetric 80 mL/min. (100%)
Maximum concentration		10,000 particles/mL	
Sample temperature		10 - 150°C: Sulfuric acid 100°C maximum	
Zero count	< 25 counts/liter	< 15 counts/liter	< 15 counts/liter
Maximum pressure		100 psi	
Laser source		Laser diode	
Wetted surface materials		Teflon <sup>®</sup> , Kel-F <sup>®</sup> , sapphire, Chemraz <sup>®</sup>	
Dimensions (l, w, h)		13 x 4 x 5 inches (32 x 11 x 11 cm)	
Weight		6 lbs. (3 kg)	
Power	85-132 V or 220-240 V, 50-60 Hz	85-250 V, 50-60 Hz	85-250 V, 50-60 Hz
Communications		RS-485	
Calibration		Materials used are traceable to U.S. National Institute of Standards and Testing (NIST) and/or Japanese Institute of Standards (JIS).	
Environment		Temperature: 10-35°C Humidity: non-condensing	

\*Greater than 90% accuracy (less than 10% coincidence loss) at maximum recommended concentration.  
Chemraz<sup>®</sup> is a registered trademark of Greene, Tweed of Delaware. Kel-F<sup>®</sup> is a registered trademark of the Minnesota Mining & Manufacturing Company.  
Teflon<sup>®</sup> is a registered trademark of DuPont. LiQuilaz<sup>®</sup> is a registered trademark of Particle Measuring Systems, Inc.



Registration applies to the Boulder, Colorado facility.

**AUTHORIZED REPRESENTATIVE**



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