

QUIXEL/S Series | Dynamic Image Analysis

Particle Measurement | Laboratory

Suspensions and Emulsions | $< 1 \mu\text{m}$ to $3,500 \mu\text{m}$



Innovation

Universal, Fully Automated Wet Dispersion for Fine to Coarse Particles

Proven Dispersion Performance | Optimised for Image Analysis and Effortless Sample Handling

QUIXEL is a powerful and proven wet dispersion system for particle size analysis of suspensions and emulsions. It has been specifically designed to work seamlessly with the **QICPIC/S** dynamic image analysis technology, optimally supporting its performance and making operation as simple as possible.

Its innovative design enables very fast measurement cycles. Even high-density particles are safely transported in liquid through the flow cuvette. The wet dispersion process is supported by a built-in ultrasonication unit.

Intuitive Operation

To ensure convenient and efficient operation, all parameters are controlled via software. Integrated level sensors handle automatic

filling and draining. For maximum flexibility, all functions can also be controlled manually via the control panel. These include filling, degassing, sonication, circulation, draining, pumping speed, temperature control of the suspending liquid, additive supply and flow cuvette handling.

Optimised Flow Cuvettes

QUIXEL is available in two configurations, both of which are fitted with 2 mm or 6 mm stainless steel flow cuvettes. To guarantee chemical compatibility with both the product and the dispersing fluid over a wide range of applications, a selection of gasket materials is available.

Equipment Options

Optional extras include internal heating and special top lids with an automated additive supply, enabling

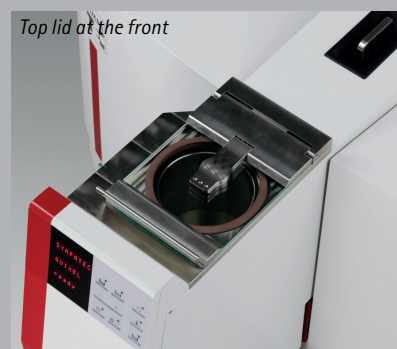
flexible adaptation to different application requirements.

Quick Maintenance and Cleaning

Thanks to its excellent accessibility, the flow cuvette and basin can be easily cleaned by hand. The lowerable basin bottom allows for emptying and cleaning in just a few seconds. In automated systems, draining, cleaning and filling are carried out via software control.

Improved Sample Handling

Optical concentration is a key parameter of measurements. **QUIXEL** displays the current optical concentration on the control panel, giving the operator full control when adding the sample. This real-time feedback ensures consistent and repeatable results with minimal effort.



QICPIC/S Series with QUIXEL



Wet dispersion for fine to coarse particles | $< 1 \mu\text{m}$ - $3,500 \mu\text{m}$

QUIXEL Specifications

Dispersing unit	Closed loop flow cuvette for suspensions and emulsions, even with coarser, high density particles	
Dispersing principle	Liquid circulation & ultrasound	
Dispersing range	$< 1 \mu\text{m}$ - $3,500 \mu\text{m}$	
Analysis volume	350 ml - 1,000 ml	
Sensor	QICPIC dynamic image analysis	
Measuring range	XS	0.5 - 824 μm
	S	0.9 - 1,373 μm
	M	1.8 - 2,747 μm
	L	6.9 - 3,500 μm
Pump speed	600 - 800 rpm	max. 2,000 rpm
Ultrasound	Adjustable	0 - 60 W
Cuvette types	2 mm flow cuvette	
	6 mm flow cuvette	
Material	Stainless steel	
Gasket materials	FKM or FFKM	
Control	Software or manual control	
Supply voltage	24 V via sensor	

