

PM-200

Liquid Particle Counter

The Herolab PM-200 counts insoluble particles in liquids and classifies them by optical size. Measurement uses light obscuration, syringe-based sample feeding and PC-based control and analysis.

Two sensor and software combinations allow configuration for pharmaceutical testing or general liquid analysis.



Technical data and configurations

Feature	Pharmaceutical testing	General liquid analysis
Software	Pharmaceutical analysis	General liquid analysis
Particle size range ¹	1-50 µm, linear	0.9-139 µm
Maximum particle concentration	100,000 particles/mL	120,000 particles/mL
Particle size channels	Up to 8 fixed channels	Up to 256 freely selectable channels
Sensor flow rate	20 mL/min	30 mL/min
Measuring cell dimensions	230 × 250 µm	300 × 300 µm

¹ Size ranges apply with latex calibration. Flow rates apply to the respective sensor. The sensor and software are selected to suit the sample medium and test method.

Instrument specifications

Power supply	230 V AC
Dimensions (H × W × D)	405 × 260 × 260 mm
Weight	12 kg

Configured for your measurement task

Applications and samples

Applications include pharmaceutical solutions and contamination monitoring in water, beverages and process liquids. Residual contamination testing and further particle size analysis can be performed with suitable sample delivery and an application-specific configuration.

Colour, turbidity, high viscosity and gas bubbles can affect measurement. Sample preparation, sample delivery and chemical compatibility must suit the sample.

Analysis and documentation

Pharmaceutical testing

The software supports measurements according to USP requirements and company-specific methods. Measurement series and diluted samples can be evaluated, with results available as tables or reports. The test method, calibration, qualification and required documentation functions must be assessed for the application.

General liquid analysis

Results are reported cumulatively or by size class, based on particle count, volume or mass. Data can be exported for further processing in Microsoft Excel.

Sample handling options

- Magnetic stirrer
- Automatic sample changer for 20 sample bottles
- Sampling from bags
- Liquid feed with a funnel for residual contamination analysis

Configuration and scope of supply

The measurement system combines syringe-based sample delivery, a sensor, measurement electronics, software and PC-based analysis. The quotation specifies the selected configuration, PC provision and accessories. Options are included only when listed in the quotation.

Discuss your application

Useful details include the sample medium, relevant particle sizes, particle concentration, available sample volume, test method, throughput, and software or accessory requirements.

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