

Technical data sheet

64-Channel Liquid Particle Counter

PT-PC64 combines laser particle detection with syringe-pump sampling and computer control for liquid particle analysis. Its configurable channels support application-specific size thresholds and reporting.

Key features

- 64 configurable size channels
- Computer and control software with audit trail included in the documented configuration
- Four access levels and adjustable glass-propeller stirring

Technical Information

Measurement channels	64
Particle size range	1-500 μm ; requires sensors covering separate subranges
Count range	0-9,999,999
Sample volume	0.2-1000 mL
Sampling volume accuracy	$<\pm 0.5\%$
Sampling flow rate	2-100 mL/min
Repeatability (RSD)	$<1.5\%$ (reference particles $\geq 1000/\text{mL}$)
Particle concentration range	0-18,000/mL
Stirring speed	0-2000 rpm
Operating temperature	10-40 $^{\circ}\text{C}$
Power supply	AC 220 V $\pm 10\%$ / 50 Hz / <80 W

Standard Configuration

Instrument, computer, control software with audit trail and built-in dot-matrix printer. Select a 10 mL or 25 mL syringe configuration.

The sampling path is described as 316L stainless steel and PTFE; verify chemical compatibility for each sample. Size thresholds can be set in 0.1 μm increments; this is a setting increment, not a claimed measurement resolution. Sample-volume settings use 0.1 mL increments. The documented software supports up to 1,000 operators, historical data and operation-record retrieval, computer transfer and several print modes. Confirm the software version, audit-trail scope and supplied validation documents for the ordered configuration.

Optional Accessories

Sensor subranges and sampling components must match the intended particle sizes and sample matrix. Confirm solvent compatibility and calibration materials separately.

Applications

Particle counting in compatible pharmaceutical liquids and device extracts, with test channels and sample preparation selected for the laboratory method.

Selection / Ordering Information

Confirm sample compatibility, configuration, electrical supply and required documentation in the quotation.

Review the configuration with PRECETTA before ordering.