

Technical data sheet

Liquid Particle Counter for Medical Device Testing

PT-PC5 is a touchscreen liquid particle counter for device extracts, filtration assessments and compatible packaging-test samples. Syringe-pump sampling and selectable channel groups support method-specific particle counts.

Key features

- Touchscreen with documented Chinese input and stored test records
- Three password-access levels
- Two custom groups of six channels each

Technical Information

Particle size range	1-500 μm
Count range	0-9,999,999
Sample volume	≥ 0.1 mL
Sampling volume accuracy	$\pm 0.3\%$ at 5 mL
Particle concentration range	0-10,000/mL
Repeatability (RSD)	$\leq 2\%$ (reference particles $\geq 1000/\text{mL}$)
Stirring speed	0-1500 rpm
Operating temperature	0-40 $^{\circ}\text{C}$
Power supply	AC 220 V $\pm 10\%$ / 50 Hz / ≤ 90 W
Dimensions	420 $\times$ 350 $\times$ 470 mm

Standard Configuration

Touchscreen instrument with syringe-pump sampling, adjustable glass-propeller stirring and record storage. Confirm the sensor range and complete supply list.

Dedicated channels include 5, 10 and 25 μm for pharmaceutical or packaging methods, 20 μm for filtration assessment, and 25-50, 51-100 and above 100 μm for infusion-device assessments. Confirm threshold definitions and the selected method. Sampling times are below 10 seconds for 5 mL and below 3 minutes for 100 mL. Specified channel resolution is at least 95% for channels of 10 μm and above. The sampling path is described as 316L stainless steel and PTFE; confirm compatibility rather than assuming suitability for every solvent.

Optional Accessories

Computer connection and data-analysis software require configuration confirmation. Verify sample-contact material compatibility and calibration standards for the selected method.

Applications

Particle contamination and filtration assessments for medical devices and packaging, using a validated sample-extraction and counting procedure.

Selection / Ordering Information

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

Review the configuration with PRECETTA before ordering.