



Analytical Technologies Liquid Particle Counter-ALPC3024



Specifications:-

ALPC 3024 liquid particle counter is mainly used for detection of insoluble particles in injection, infusion, powdered injection, and particulate pollution detection of medical devices like transfusion equipment, anesthesia equipment, and drug packaging. It is of full compliance with the 2010 edition of " Pharmacopoeia", "USP" infusion GB8368-1998 and GB8368-2005 and other national standards. It is suitable for pharmaceutical, medical device, Institute for Drug and pharmaceutical research institutions and other related units.

ALPC 3024 liquid particle counter is using laser block method, with import semiconductor laser light source of long life and high stability; 24 detection channels; imported precision syringe pump sampling control system, high precision sampling, sampling volume is set arbitrarily; 7 inch true color large-screen LCD touch display, built-in calibration curves and powerful database management module, easy to operate; USB interface, data storage is not restricted, you can easily transfer data and save them to your computer.

Features:

1. Comply with the 2010 version of " Pharmacopoeia" requirements, built-in 2010 version of Pharmacopoeia", anesthesia equipment, infusion (GB8368-99 and GB8368-2005) and other national standards, can directly detect size and quantity of insoluble particles in injection, sterile powder, and medical device, meeting requirements of particle contamination detection for different business;
2. Imported semiconductor lasers and specific integrated driver chips, ensure high stability and long life of sensors;
3. 24 testing channels, detection range is 1 to 500 microns, the range of 1 to 100 micron particle size channels can be arbitrarily set for detecting particle size, with distribution and statistical functions;
4. Built-in calibration curve, in line with the international standard ISO21501 latest instrument calibration requirements;
5. Adopts imported precision syringe pump sampling system, high precision sampling, the minimum sample volume is 0.2ml;
6. Using a magnetic stirrer, stirring speed is adjustable, not likely to produce bubbles;
7. Powerful data storage and analysis capabilities, built-in SQL database management software, data query and intuitive display, histogram statistics with data analysis;
8. 7-inch color touch-screen LCD display, touch-screen operation, user-friendly interactive interface;
9. External USB interface, directly save data to a computer thru U disk, also connect a computer thru RS232 serial port

Technical specifications:-

Optical system	Laser block, semiconductor laser light source
Detection range	1 ~ 500 μ m
Detection channels	24 channels, the particle size range of 1 ~ 100 μ m arbitrarily set by the user, the interval 0.1 μ m
Sample volume	0.2 ~ 1000ml
Sampling rate	5 ~ 100ml / min
Test Range	0 ~ 9999999 particles
Accuracy	\pm 5% specified value



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Repeatability	RSD <2% (particle counting> 1,000 / ml, 5ml sample)
Sample volume accuracy	<± 1%
Resolution	> 90%
Best detectable concentration	0 ~ 18,000 particles / ml
Display Operation	7-inch large-screen color LCD touch screen
Data Output	built-in printer, RS232 interface, USB interface
Database software	Provides data statistics, query, analysis, and storage capabilities
Power	AC 220V ± 10%, 50Hz,<80W
Temperature	10 ~ 40 °C



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