

YKGWF-8JDS Particle Analyzer(Audit track)



Main Features:

- Meet the requirements of national standards of 2020 China Pharmacopeia、 America Pharmacopeia、 infusion devices GB8368-1998 and GB8368-2005. With a variety of standard of specific testing procedures, Size and number of the insoluble particles of injection, germless powder and infusion apparatus can be checked directly.
- The test accuracy can be guaranteed with the laser source of high energy and light compensation circuit for all colorless and colorful clear samples.
- With the High-precision sample feeding system of high pressure injector, the injection volume and injection speed can be set up are according to species and the viscosity of the test sample, high accuracy feeding, detection of high viscosity products to meet testing requirements, and not subject to geographical location and other factors, use requirements to meet the areas at different altitudes.
- Injection slit and piping made from the 316L and PTFE materials, direct detection of organic solvent, oil and other special matrix solution.



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- All channels can be set up, precision can reach 0.1 μ m with the accumulated value and the difference value and so many counts methods, to meet all the requirements of particle testing in different areas.
- Built-in calibration curve, can automatically complete the calibration of channel and injection volume to meet the calibration and test requirements of Chinese Pharmacopoeia on instrument, ensure that the sample size、 particle counting、 accuracy of sensor resolution, and then to ensure the accuracy of test results of equipment.
- A special test programme for small injection agents is made with sample feeding amount per the volume signed, converting automatically to particle size and number of each container afterwards, meeting requirements of China Pharmacopoeia and the international standard.
- A friction free impeller mixer of adjustable speed is used for even distribution of particles in containers of various forms, avoid particulate pollution generated by friction, with higher accuracy.
- A large color LCD touch screen is used with personal Chinese interface, convenient and efficient operation, powerful functions for information of multi channel test data and block sketches at the same time.
- The function of drug name and medical equipment pre set up is adopted for keeping database of injection agents of the China Pharmacopoeia and the name of medical equipment, with convenient and efficient operation.
- Functions of hierarchical (four level) management, data backup and recovery, storage and retrieval. Record all the equipment and user action and behavior events in real time. Meet the requirement of data audit tracking in computer system.

Main Technical Index:

- Channel Set up:16 Channel, thousands of different particle sizes can be free set up, accuracy 0.1 μ m
- Test Range:1~500 μ m
- Count Range:0~9999999 particle
- Sample Feeding Volume:0.2ml~1000ml(full range increment 0.1ml)
- Accuracy of Sample Feeding Volume: $\leq \pm 0.5\%$ (0.2ml~1000ml)
- Syringe volume: 1ml、 2.5ml、 5ml、 10ml、 25ml arbitrary choose
- Sample Feeding Speed: 2~100ml/min, arbitrary set up
- Counting accuracy: < required value $\pm 5\%$
- Channel Resolution: >95%
- Relative Standard Deviation: RSD<1.5%(standard particle ≥ 1000 particle/ml)
- The best detection concentration: 0~18000 particle/ml
- Mixing Speed: 0~2000r/min, impeller mixer of adjustable
- Work Temperature:10~40 $^{\circ}$ C
- Power: AC220V $\pm 10\%$; 50Hz; <80W
- Data output: A large color LCD touch screen; Built-in Pin mini-printer; RS232 interface can connect computer.