

LOGAN PTC-8 Particle Counter



SPECIFICATIONS

- Channel Setup: 16 Channels, thousands of different particle sizes can be user-defined, accuracy 0.1 μ m
- Test Range: 1~150 μ m
- Count Range: 0~9999999 particles
- Sampling Volume: 0.2ml~1000ml (full range increment 0.1ml)
- Sampling Volume Accuracy: < $\pm 0.5\%$ (0.2ml ~ 1000ml)
- Syringe volume: 5ml, 10ml, 25ml User choice
- Sampling Speed: 2~80ml/min, arbitrary set up
- Counting Accuracy: < $\pm 10\%$
- Channel Resolution: > 90% (CP), < 10% (USP)
- Relative Standard Deviation: RSD < 1.5% (standard particle ≥ 1000 particles/ml)
- The optimum test concentration: 0~12000 particle/ml
- Mixing Speed: 0 ~ 2000r/min, adjustable impeller mixer
- Working Temperature: 10 $^{\circ}$ C ~ 40 $^{\circ}$ C
- Power Source: AC 220V $\pm 10\%$, 50Hz, < 80W

Main Features:

- Meet the requirements of insoluble particles in injection, germless powder and raw material of China Pharmacopeia, United State Pharmacopeia and Europe Pharmacopeia.
- Meeting the requirements of ISO8536, ISO1135, ISO8362, GB8369, GB8368 and GB18458 and so on. The standard of size and number insoluble particles of injection, infusion apparatus, medical equipment and so on.
- Equip with high performance laser source and optical power compensation circuit to ensure the test accuracy of colorless or colored clarified sample.
- High-precision sampling system equipped with high pressure injector, user can set sampling speed and volume according to features of viscous sample. Also the performance is not affected by altitude location and other factors.
- Sample cell and piping are respectively made from 316L and PTFE materials, can test organic solvent, oil and other special solution directly.
- Channels can user-defined setup and the precision reached 0.1m; Possess accumulation and difference counts methods satisfied varied requirements of particle counting in extensive areas.
- According to multi calibrated curve, instrument can complete channel calibration and injection volume calibration automatically. All the calibration are on request CP and USP that keep accuracy of sampling volume; particle counting and sensor resolution, therefore ensured high performance and high accuracy of instrument.
- A special testing mode exclusive use for small injection sample.
- A friction-free impeller mixer of adjustable speed is used for ensure higher accuracy data of test particle inhomogeneous distribution sample.
- A large colorful LCD touch screen with English/Chinese interface is convenient and efficient operation. Data and figure of multi channel testing display at same time.
- Provide automatic data processing and print function. Also does particle analysis and concentration analysis on Lab equipment or computer by socket connection.