



KQET-04

Airborne Particle Multi-Point Sampler

The KQET-04 airborne particle multi-point sampler provides a solution for multi-point airborne particle monitoring using a single particle counter.

This product features a modular pluggable design, which can be flexibly configured according to on-site conditions and can be expanded to support up to 32 sampling ports.

It is compatible with Kangqi high-flow (28.3L/min) portable particle counters, including the KQ-4011 model that can detect 0.1 μm particles.

This multi-point sampler is controlled by the KQET-V software, allowing users to configure and control the system according to their own needs.



Product Advantages

- Simple operation, accurate positioning, and controllable sequence.
- Short self-purification time.
- Flexible layout, with sampling pipes supporting a length of up to 120m.
- Intelligent control of sampling points, intelligent re-testing, and flexible scheduling.
- Rational use of the factory's existing resources to improve the informationization process.
- Audit trail meets the requirements of the latest data integrity regulations.
- Flexible selection of measurement equipment (optional)

Product performance

- Diverse and efficient data collection.
- Clear instruction set and simple control.
- Accessible via a web browser.
- Compatible with conventional cleanroom cleaning chemicals.
- Supports flow rates of 100L/min, 50L/min, or 28.3L/min-100L/min; it only takes 10 minutes to collect a 1m³ sample.
- 7*24 hours of uninterrupted operation for 10 years.
- Complies with ISO14644-1:2015 standard.

Application Fields

- Cleanroom monitoring.
- ISO14644-1:2015, EU GMP, China GMP, FS209E cleanroom classification.
- Statistical process control.
- Particle over-limit fault diagnosis.
- Compatible with multi-point sampling.
- Cluster high-frequency monitoring.

Technical parameters

Model	KQET-04
Particle Size Range	0.1μm-10μm
Flow Range	28.3~100L/min
Self-Purification Time	≤3s (cross-contamination rate 0%, air exchange time 2.5ms)
Maximum Concentration	>950,000 particles/ft ³
Sampling Pipe	ID=5/8", maximum length 180m; ID=3/8", maximum length 120m; ID=1/4", maximum length 60m
Number of Ports	Supports up to 32 sampling ports, with programmable sequential and point measurement (frequency/sequence configurable)
Counting Efficiency	50%±20@0.1μm (minimum particle size)
Remote Operation	Real-time communication via Ethernet, and Wi-Fi communication (optional)
Cabinet Cleaning Material	Resistant to bleach, ethanol/isopropanol, hydrogen peroxide/quaternary ammonium salt solvents
Operating Environment	Temperature: 0-32°C (32-89.6°F), Humidity: 5-95%RH (no condensation)
Dimensions (mm)	φ450×270
Weight	19kg
Power Supply	100-240V, 50-60Hz, 1A

Inject Soul Into The Cleanroom



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