FKC-III Microbial Air Sampler

FKC-III Microbial Air Sampler is an efficient porous and inhalational microorganism sampler. It is designed on the theory of isokinetic sampling. It can sample directly, and the velocity of the sampling head and the cleanroom is consistent, so it can accurately reflect the microorganism concentration of your cleanroom. Biocontamination samples flow through the micro holes with high velocity, and is impacted on the surface of agar in the plate, thus maximizing collection efficiencies for viable particles of interest in accordance with ISO 14698-1.The system design optimize the impact velocity, ensuring biological efficiency.

With computer control panel and low noise pump sampling, thus it is of simple operation and stable performance. The whole body is made of 316L stainless steel, which is suitable for a variety of ways sterilization.

The main technical parameters：

Sampling flow rate	100L/min
Impaction velocity	0.38m/s(isokinetic sampling)
Sample volume	0.001-9.999 m^3
Sample mode	User defined sample volume（3 shifts）
Sample delay	1-60s
Collection methods	Remote control or manually
Battery	Lithium Battery 16.8V 8.8Ah, can work for 10 hours
Weight	5kg
Plate size	90*15mm
Outside dim	200*240*160mm (W*D*H)

Display window	High brightness LCD display
Operating environment	Temperature: 0 - 50 ℃, humidity: 10-90%, atmospheric pressure: 80-110kpa, Maximum dust concentration: 100 000 000 / m^3@0.5μm or 0.2mg / m^3