TME 003- MICROBIAL AIR MONITORING SYSTEM (AIR SAMPLER)

INTENDED USE

It is used for monitoring of microbial air contamination in Pharmaceutical and Food manufacturing and clinical environments.

PRODUCT SUMMARY AND EXPLANATION

Microbial Air Sampler carries a unique structure to avoid recirculation of air and is validated as per BS EN ISO 14698- Part 1, for Physical and Biological efficiency. The upper part includes a sampling head, sampling seat and a pump. The lower part includes controller and batteries. It is of low noise pump sampling, simple operation and stable performance. Sampling port is made of high-quality aluminum, which is suitable for various way of sterilization. It has a simple menu navigation and inbuilt operational protocols enable easy operations. The instrument is light weight and has inbuilt self- adjustable adaptors for 90±5 mm and 55mm plates which make it convenient to use as no modification is required for 55mm contact plates. Even no external tooling is required for plating.

PRINCIPLE

Microbial Air sampler is designed on the theory of isokinetic sampling. Air passes through small holes onto surface of an agar plate with high velocity. At the end of the cycle, the plate is removed and incubated and visible colonies are then counted for an assessment of the level of contamination.

SPECIFICATIONS		
Nominal Air Flow Rate	:	100 litres of air per minute
Impact Speed	:	< 20m/sec
Air Sample Volume	:	10-9999 liters can be selected and stored in the instrument. Three different volumes can be set
Maximum volume of air per cycle	:	1000 litres
Plate size	:	90±5 mm & 55 mm
Weight of instrument	:	2.68 kg
Construction	:	High quality anodized aluminum
Display	:	High Brightness LCD display
Accessories	:	Empty Petri-plate
Battery Pack	:	Rechargeable Li Ion (without memory effect). Battery Charging takes only 4 hours. After charging, the battery will work up to 8 hours.

CALIBRATION

The unit supplied with calibration certificate valid for 12 months.

*For Lab Use Only
Revision: 05thOct. 2019

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