

## TME005- 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. It complies PC connectivity to meet 21CFR: Part 11 requirements. 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 20 intake slits 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	
<b>Nominal Air Flow Rate</b>	: 100 liters of air per minute
<b>Air Sample Volume</b>	: 1-9999 liters can be selected and stored in the instrument.
<b>Maximum volume of air per cycle</b>	: 1000 liters
<b>Recipe storage</b>	: Upto 6 recipes can be created and stored
<b>User configuration</b>	: Multiple user support with individual username and password
<b>Sample data records</b>	: 10,000 data can be stored
<b>Software</b>	: Comply with 21CFR Part 11
<b>Software communication</b>	: USB output, wireless data export through Wi-Fi
<b>Levels of authority</b>	: 3 Levels of authority management
<b>Alarm logs</b>	: Completed cycle data can be reviewed.
<b>Audit trail</b>	: Audit Trail function available
<b>Plate size compatible</b>	: 90±5 mm
<b>Weight of instrument</b>	: 2.5 kg
<b>Battery Pack</b>	: Rechargeable Li Ion (without memory effect). After charging, the battery will work up to 8 hours.
<b>Display</b>	: 5- inch color touch display
<b>Accessories</b>	: Empty Petri-plate ,Air sampler Case, Power Charger
<b>Optional Accessories</b>	: Bluetooth printer (range within 10m)

### CALIBRATION

The unit supplied with calibration certificate valid for 12 months.

**\*For Lab Use Only**  
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