

BIO-MAS-100 TOUCH

Brand : **BioGenix**



Description

Bio-Mass-100 Touch Air Floating Dust Bacteria Sampler has a unique and novel structure, which is divided into upper and lower parts. The upper part of the sampler consists of collecting port, sampling seat and air pump, and the lower part consists of controller and battery.

The sampling port and shell are made of high-quality aviation aluminum, and the surface is closed for sterilization before use.

Principle

This microbial air sampler works based on Andersen collision principle. Air is aspirated (at a fixed speed for variable times) through small holes in the instrument's head. The resulting laminar air flow is directed onto the surface of an agar plate. At the end of the sampling cycle, the plate is removed and incubated and the visible colonies are then counted for an assessment of the level of contamination.

Silent Features

- Features user-friendly navigation, a compact and easily portable design, and a backlit LCD screen
- Accommodates manual adjustment of timed volumes from 10 to 6000 liters
- Offers data storage and backup for up to 99 parameters and 2000 measurement records with time, date and volume Boasts a flow throughput of 100 liters per minute (pm) or 3.53 cm
- Assists with hazard analysis and critical control points (HACCP) system implementation
- Aids in compliance with the US Food and Drug Administration's (FDA) Food Safety Modernization Act (FMSA) and with ISO 14698-1
- Runs off a rechargeable battery or AC power
- Supports standard Petri dishes of 90 mm with or without pipe inputs
- The unit comes calibrated by the manufacturer. At the time of purchase, an ISO calibration certificate may be added as option - see accessories for details



SPECIFICATION

Technical Specification of BIO-MAS -100 TOUCH

- Micro pores at collector head 300
- Touch Screen large display.
- Battery 6400-Ma, rechargeable, up to 15 hours of continuous use at full charge
- Flow rate /capacity Flow Error rate 100 liters per minute (lpm) or 3.53 cubic feet per minute
- ± 2.5 Flow rate at measuring head 0.38 meters per second (m/s)
- Measurement volume 10...6000 liters, manually adjustable
- Dimension of plate 70...90×15 mm/2.76×3.54×0.59 inches
- Data storage Max 99 parameters and 2000 measurement values
- Data transfer Facility, connect with computer
- Dimension 120×300 mm/ 4.72×11.81 inches
- Weight 2.6kg/ 5.73lb

Application:

Widely used in pharmaceutical company, milk product plant, clinical operation room, fermentation industry et al, where microbial contamination need to be strictly monitored and controlled. Also it is applicable in institutes that need study the air microbial condition.



How To Use:

- 1: Soak medical absorbent cotton in 75% ethanol, and use it to swab air sampler surface, Petri dish pedestal and sampling head et al.
- 2: Start the sampler and let it work not less than 5 minutes, making above mentioned disinfectant residue evaporate.
- 3: According to cleanliness requirements to set sampling parameters, then put Petri dish (with medium) inside, and cover the multi-hole sampling head.
- 4: Put the air sampler on flat surface 0.8-1.5m above the ground, and then start it begin sampling.

ADVANTAGE

- 1) Suitable for standard plates with diameter of 90-100mm, no need to use expensive "matching" special consumables
- 2) built-in flow calibration function, temperature and humidity calibration function, (supporting the use of phytoplankton calibration instrument, optional)
- 3) external blue-tooth printer, which can print data information (time, date, temperature and humidity, sampling volume)
- 4) with data export software, generate EXCEL tables to facilitate data computer storage
- 5) adjustable support clip of sampling head to fit the size difference of different plates (90-100mm)
- 6) it can be connected to power supply of 100/240v and 50-60khz, or only use a battery
- 7) the sampling volume can be set to any value between 1-9999l
- 8) USB communication connection to ensure the accuracy of the result record
- 9) automatic sampling precision calibration to avoid manual error



Porous Sampling Port

There is a porous sampling head on the upper part, and there are a total of 465 micro-holes of 0.6mm on it.



Operation panel

LCD display, color touch screen, the operation panel is simple and clear.



Protection cover

The protective cover needs to be opened when sampling.



Technical Specifications:

MODEL	BIO-MASS-100 I TOUCH	BIO-MASS-100 II TOUCH	BIO-MASS-100 III TOUCH
Air Flow	100 Litre/Minute	100 Litre/Minute	100 Litre/Minute
Impactor Nozzel Numbers	300	300	300
Air Sample Volume	10-6000 Litres	10-6000 Litres	10-6000 Litres
Air Flow Sensor	NO	NO	Automatically Compensate
Data Transfer	NO	Using Sampler Software	Using Sampler Software
Applicable Petri Dishes	90 X15 MM		
Instrument Noise	55dB (A)	55dB (A)	55dB (A)
Battery Working Time	4 Hours	4 Hours	4 Hours
Error Range	2.50%	2%	2%
Net Weight	2.6 kg	2.6 kg	2.6 kg
Gross Weight	8 kg	8 kg	8 kg
Dimension		110 x 135 x 330 MM	
Cover Material		Silvery Aluminium Alloy	
Screen		LCD Touch Screen	
Charging Time		6 Hours	
Battery		7.4 V Chargable Battery Ploemeric Lithium Battery	

Support and Services

BioGenix® provides technical support and a comprehensive services offering to help you save your QC resources and facilitate the implementation of your BIO-MAS-100 TOUCH Microbial air sampler into your daily testing routine. Our highly experienced teams are there to assist you.



Contact Us



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