

# MICROFLOW $\alpha$



## MICROFLOW $\alpha$

## PORTABLE MICROBIOLOGICAL AIR SAMPLER

### MAIN FEATURES

MICROFLOW alfa has been developed for air biocontaminants sampling (e.g. fungal spores, bacterial cells, etc...) in critical places. MICROFLOW allows to verify, qualify and quantify microorganism presence. In this way you can value the exposure or you can identify the source in order to put in place corrective actions.

- *Chassie* in disinfectable polyurethane and resistant to impacts
- Autoclavable *anodised aluminium sampling head*, with conical holes:  
60 mm head: 219 holes ( $\varnothing$  1 mm)  
90 mm head: 380 holes ( $\varnothing$  1 mm)
- *Bayonet head* coupling system
- Autoclavable *anodised aluminium support plate*
- Two *ON/OFF* red LED to verify that the instrument is working
- *Sampling flow rates*: 30-60-90-100-120 l/min (180 l/min on request)
- *Sampling mode*: manual, sequential and programmed sampling
- Total volume of sampled air programmable from 1 up to 2000 litres: 1 litre step (program and sequential sampling mode) or more (manual sampling)



Alphanumeric LCD for display of the different menu and visualization of sampling operations "step by step"

The display of various menu can be selected in five languages (Italian, French, English, German and Spanish)

### Some possible **APPLICATIONS** are:

- clean rooms
- hospitals
- pharmaceutical industries
- food and dairy industries
- air treatment plants
- water treatment plants
- working areas exposed to controls in demand of HACCP

### MICROFLOW KIT includes :

- Carrying case
- Microbiological air sampler
- Additional aluminum sampling head (only for kit Microflow alfa 60 and 90C)
- Battery charger
- IR remote control
- Pencil torch for head sterilisation
- Plate for vertical positioning sampler
- User manual (in English)
- Test report



### OTHER FEATURES

- Sampling in vertical or horizontal position without tripod auxiliary
- *Delay start* function
- *Calibration function* (with optional calibration kit)
- *Memorization of 160 samples*
- *USB output interface* for PC computer connection (optional)
- *Remote switch* with infra-red rays control
- *Rechargeable battery operated*. Battery Ni/Mh (memory effect free) with 4 hours battery life. Recharging battery in 3 - 4 hours.
- *Dimension: 310 x 130 x 170 mm (w x d x h)*
- *Weight: 1,9 kg*

### AVAILABLE MODELS

- **MICROFLOW a 60**: it works with contact plates ( $\varnothing 60 \pm 2$  mm)
- **MICROFLOW a 90/C\***: it works with Petri dishes ( $\varnothing 90 \pm 2$  mm)
- **MICROFLOW a 60-90/C\***: it works with both contact plates ( $\varnothing 60 \pm 2$  mm) and Petri dishes ( $\varnothing 90 \pm 2$  mm)

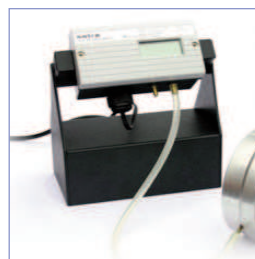
\* with compensation system of flow rate

*Flow rate calibration system has been developed by "Politecnico di Milano" - Technical University Aerospace Engineering Department (rel. n.377/2003) and it has been certified by I.N.R.I.M of Turin (Certif. n. 10-0114-01/2010)*

### ACCESSORIES



- Pencil torch
- Additional aluminium sampling head
- Noze for CFU measurement in ducts not under pressure. Diam. 35mm. (for 60 or 90 mm. head)
- PC interface with software (following n° 1962 UNICHIM manual)



- Master tripod (maximum height 3,66m)
- Calibration system kit

**Built in COMPLIANCE with  
ISO 14698-1**



UNI EN ISO 9001:2008  
CERTIFIED



Via della Levata n°14 - 20084 Lacchiarella (MI)  
Tel. 02.90091399 Fax 02.9054861  
e-mail: info@aquariasrl.com  
www.aquariasrl.com

Distributed by: