

# MICROFLOW



## MICROFLOW *α*

## PORTABLE MICROBIOLOGICAL AIR SAMPLER

MICROFLOW has been developed for air biocontaminants sampling in critical places (e.g. clean rooms, food plants, fermentation's plants etc...). MICROFLOW allows to verify 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.

### MAIN FEATURES

- Autoclavable anodised aluminium sampling head, with conical holes:  
60 mm head: 219 holes (Ø 1 mm)  
90 mm head: 380 holes (Ø 1 mm)
- Autoclavable anodised aluminium support plate
- Bayonet head coupling system
- Rechargeable battery operated. Battery Ni/Mh (memory effect free) with 4 hours battery life
- Recharging battery in 3 - 4 hours
- Manual, sequential and programmed sampling
- Delay start function
- Preset sampling flow rates:  
30-60-90-100-120 l/min
- Remote switch with infra-red rays control
- Storing and displaying up to 99 samplings
- USB output interface for PC computer connection (optional)
- Dimensions: 310 x 130 x 170 mm (w x d x h)
- Weight: 1,9 Kg

### AVAILABLE MODELS:

- MICROFLOW 60:** it works with contact plates (Ø 60 ± 2 mm)
- MICROFLOW 60/C\*:** it works with contact plates (Ø 60 ± 2 mm)
- MICROFLOW 90/C\*:** it works with Petri dishes (Ø 90 ± 2 mm)
- MICROFLOW 60-90/C\*:** it works with both contact plates (Ø 60 ± 2 mm) and Petri dishes (Ø 90 ± 2 mm)

\* with automatic compensation system

Some possible **APPLICATIONS** are:

- clean rooms
- hospitals
- pharmaceutical plants
- food plants
- building air conditioning plants (HVAC)
- water depuration plants
- working places

**MICROFLOW KIT** includes:

- Carrying case
- Microbiological air sampler
- Spare aluminium sampling head
- Battery charger
- IR remote control
- Pencil torch for head sterilisation
- Pack of 7 plates PCA  
(only for Microflow 60, 60-90 and 60-90/C)
- User manual (in English)
- Calibration report



## OTHER FEATURES

- Disinfectable polyurethane body
- Graphic display for menu presentation
- Displaying of sampling operations "step by step"
- Prompts in five languages (*Italian, French, English, German and Spanish*)
- Total volume of sampled air programmable from 1 up to 1000 litres. 1 litre step (program and sequential sampling mode) or more (manual sampling)
- Calibration function (with optional calibration kit)
- Display alarm for low battery
- Two ON/OFF indicating lights to verify the instrument activation
- Sampling in vertical or horizontal position without tripod auxilium
- **Flow rate calibration system has been developed by "Politecnico di Milano" - Techincal University Aerspatial Engineering Department (rel. n.377 2003) and it has been certified by "Istituto di Metrologia G. Colonnetti" of Turin (Cert. n.393 2003)**



## ACCESSORIES

- Range of agars, depending on organisms to be monitored
- PC interface with software (MS WINDOWS 9x/2000/XP)
- Additional stainless-steel head
- Pencil torch
- Master tripod (maximum height 3,8 m)
- Calibration system designed by "Politecnico di Milano"



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