

# AGC MICROBIAL AIR SAMPLER

AN ALL-IN-ONE INSTRUMENT DESIGNED TO MEET ALL MICROBIAL ENVIRONMENTAL MONITORING NEEDS, INCLUDING AIR SAMPLING, GAS SAMPLING AND INSTRUMENT FLOW RATE VERIFICATION



## AGC

ACTIVE AIR SAMPLING



GAS SAMPLING



AIR FLOW CALIBRATION VERIFICATION



**TRIO.BAS**<sup>™</sup>  
BIOLOGICAL AIR SAMPLER



**(A)** The AGC air sampler is a single device designed to sample air at a flow rate of 100 liters per minute (LPM).

**(B)** The aluminium bell attached to the aspirating head enables gas sampling at a flow rate of 100 liters per minute (LPM).

**(C)** The technopolymer bell is used to verify the accuracy of the instrument's flow rate.



## Description

The AGC instrument is designed with a stable body that ensures it remains secure on surfaces. Its user-friendly design makes the keyboard easy to read, and the vertical orientation of the aspirating head simplifies the placement of media plates and bells. Primary applications include pharmaceutical aseptic filling suites, cleanrooms, biotech facilities, IVF clinics, operating theaters, hospitals, pharmacies, and blood banks.

**It is used for active microbial air sampling.**

**When sampling gas**, the instrument measures changes in pressure caused by the air being drawn through an aluminium bell. A differential pressure sensor detects these changes and compares them to reference values.

**To check calibration status**, the instrument measures changes in pressure caused by air being drawn through a technopolymer bell on the sampler's head. A differential pressure sensor detects these changes and compares them to reference values. At the end of the test, the instrument provides a result: **OK** if the air sampler is still calibrated, or **WARNING/ERROR** if it is out of its initial calibration specifications.

- The data can be transferred to a PC if dedicated software is installed
- Data can be transferred via Bluetooth or cable
- The battery is recharged by a power cable connected directly to the air sampler
- When used as active air sampler the use of optional sterile "Daily Shift" aspirating heads reduces the risk of contamination
- Compact and easy to transport
- SOP (Standard Operating Procedure) available from Application Notes

## Performances

- Technopolymer shockproof body with antibacterial surfaces
- Stainless steel aspirating head with quick bayonet closure, identification number and stainless steel cover to prevent contaminations
- For gas test, the valve and regulator are in AISI 316 rated stainless steel. The aluminium bell's gasket is in silicon. All parts are autoclavable
- For calibration check the bell chamber is technopolymer
- Volume of aspirated air: 100 liters/min for both air sampling and gas sampling
- Selected air volumes from 30 to 2,000 liters and 17 prefixed programs
- Power Supply System: The instrument can operate continuously using an AC power source (110/240V, 50/60 Hz) or a built-in rechargeable battery
- Battery Capacity: Supports up to 30,000 liters per charge cycle
- Language: English, French, German, Spanish, Italian
- Operative aspirating cycles: manual and automatic
- Data Storage: Capable of storing up to 1,000 samples
- Configuration of 50 users and 50 locations
- Delay time, fraction time, and fraction number
- Bluetooth connection or cable for data transfer to tablet or PC (with AS SW or BAS SW installed)
- Automatic next calibration reminder
- CE mark
- Continuous/trending analysis according to the USP
- Input pressure of compressed air or gas: 1 - 6 bar
- Suitable for 90mm Petri plates or 55mm contact plates
- Instrument size: 303 x 158 x 135mm - weight: 4 lbs
- Aluminium bell diam. 80 x 200mm - weight: 2.64 lbs
- Technopolymer bell chamber diam. 100 x 110mm - weight: 0.66 lbs
- Built in ISO 9001 facility
- IQ, OQ, PQ documentation is available
- Data integrity CFR 21 and GAMP5 (with BAS SW)
- Compliant with ISO 14698-1, EN 17141, ISO 8537-7 and FDA

## Products

Cat. no.

AGC MICROBIAL AIR SAMPLER 100 Contact PACK with cable (100 l/m flow rate) for contact plates

**BAS670K**

AGC MICROBIAL AIR SAMPLER 100 Petri PACK with cable (100 l/m) for Petri plates

**BAS671K**



AGC Air Sampler with flow rate attachment



AGC Air Sampler with gas line attachment

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