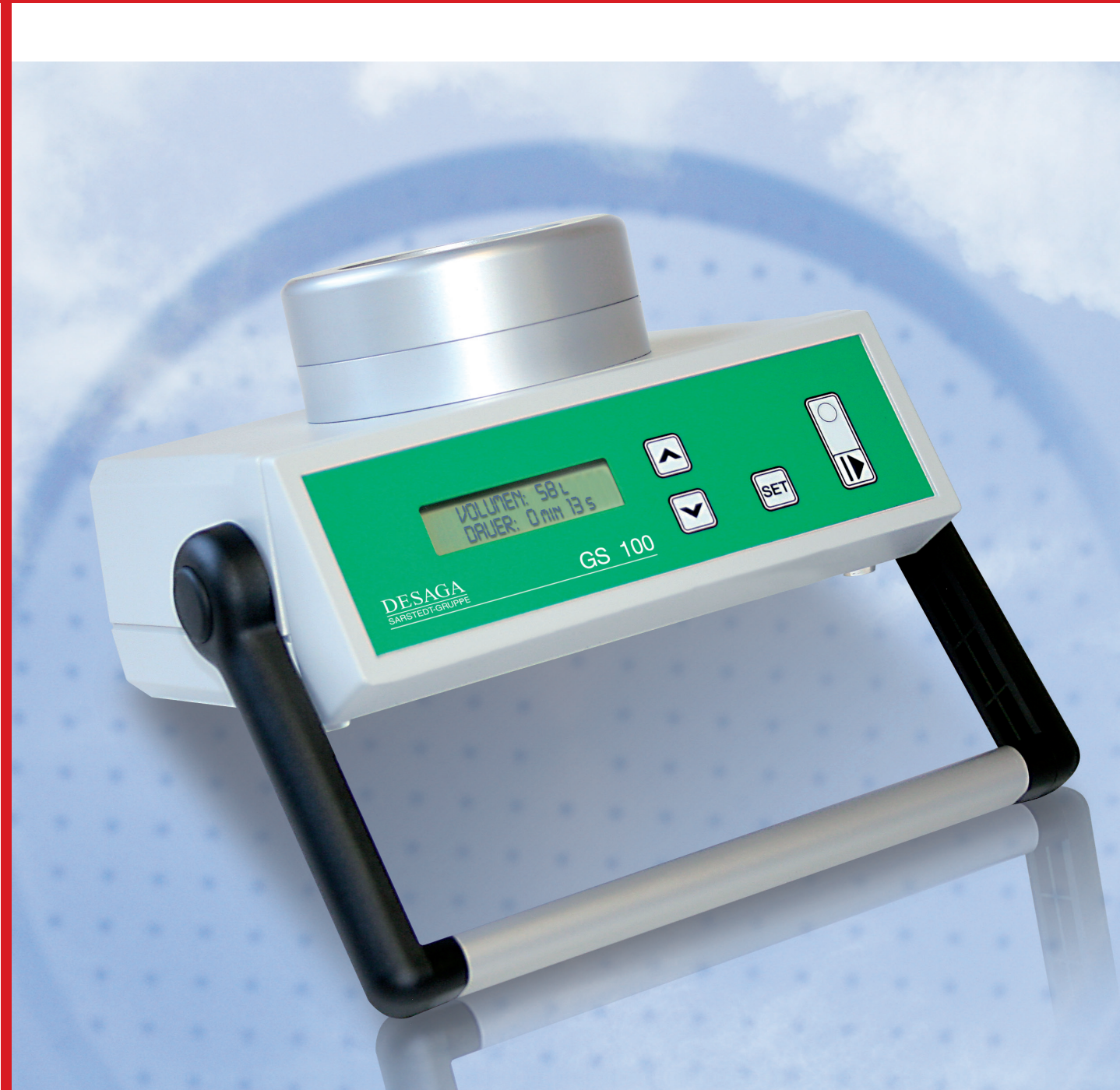


# DESAGA Microbial Air Sampler GS 100

For monitoring the microbiological air quality



- Anderson Air sampler Principle
- Individually adjustable process parameters
- Battery and mains operation

# DESAGA Microbial Air Sampler GS 100

The DESAGA GS 100 Microbial Air Sampler collects ambient air samples for microbiological testing. Following the Anderson Air sampler Principle, it draws in the ambient air over a nozzle plate. A microprocessor controls and inspects the sample collection. The thermal mass flow meter accurately regulates the flow. The design of the inlet results in an intake speed of approx. 0.4 m/sec, whereby the air flow is preset to 100 l/min. Without going through filters or nutrient solutions, particles and germs are deposited on an underlying standard Petri dish with nutrient medium. The cultivation of the colony-forming units can then take place directly in this dish.

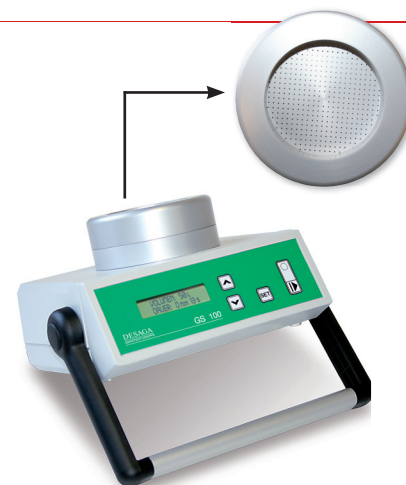
The germination number is determined using conventional methods. The collection head can be autoclaved and the housing can be cleaned using conventional disinfectants.

Prior to the measurement, the parameters are entered via the keypad. The reliable memory includes five different programs for sampling, consisting of feed volume and start delay. This data can be accessed at any time, inspected and changed via the 2-line LCD display.

In the event of mobile use, an installed battery with an operating capacity of approx. 5–6 hours supplies the power. The mains adapter included in the scope of delivery can be used to recharge the battery and direct operation from the wall outlet is also possible.

## Technical data

Measurement principle:	Thermal mass flow meter
Measurement programs:	5 collection methods, storable
Intake speed:	0.4 m/sec
Feed rate:	100 l/min
Feed volume:	10–9990 l
Start delay:	0:00–59:59 min
Suitable Petri dishes:	Standard Petri dishes, diameter 90 mm (e.g. item no 82.1473)
Dimensions (WxDxH):	200 x 170 x 125 mm
Weight:	2.3 kg
Power supply:	Battery pack, operating capacity 5–6 hours, 240/15 volt mains-powered operation with charging adapter 20–80% rel. humidity
Working area:	0-/+50°C



## Ordering information

Order number	Description
90.170.370	Microbial Air Sampler GS 100 incl. charging adapter/mains adapter 240/15 volt incl. Collection Head GS 100
92.170.375	Collection Head GS 100
92.170.390	Transport Case GS 100
82.1473	Petri dishes with ventilation cams
93.1647	Dish Rack, Petri dish holder 50, neutral
93.1647.001	Dish Rack, Petri dish holder 50, red
93.1647.002	Dish Rack, Petri dish holder 50, yellow
93.1647.003	Dish Rack, Petri dish holder 50, blue
93.1647.004	Dish Rack, Petri dish holder 50, green

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