

► The Air Sampling Head **LKS100**

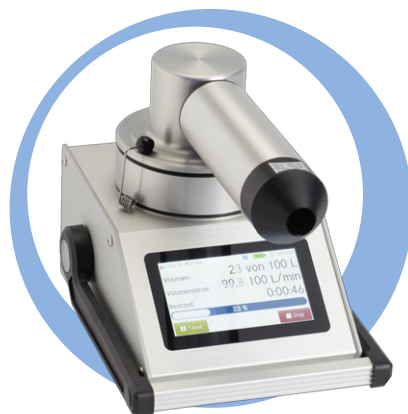


The high-performance air sampling head **LKS100** with a nominal flow rate of 100 l/min is available for air sampling of cultivable particles on culture media in 90-mm standard Petri dishes.

The air sampling head **LKS100** is operated with the battery-powered sampling system **MBASS30**.

► Applications

- Examination of indoor microbiological contamination
- Hygiene checks of ventilation systems
- Examination of indoor air in production rooms and cleanrooms
- Air monitoring during the production of cytostatics



► Features

- The sampling heads are validated according to EN ISO 14698-1
- The culture medium fixation allows sampling in every operating position
- The hose connection at the sampling intake allows for sampling from cavities
- The sampling heads are autoclavable
- The high count of 500 jets reduces multiple occupancies with high microbial counts

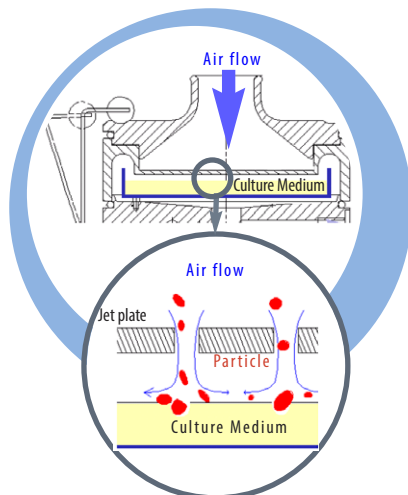


► Accessories

- Transverse adapter and inlet nozzles for isokinetic samplings at ventilation systems and vertical air outlets
- Air inlet funnel **LET40** for hygiene inspections at ceiling air outlets

► Functional Principle

The sampling air is drawn from top to bottom through the air sampler. A volume flow is thus evenly created above the jet plate in the top part. The air flow velocity is considerably increased within the jet area. Thereby, the airborne particles are accelerated towards the culture medium and impact the medium.

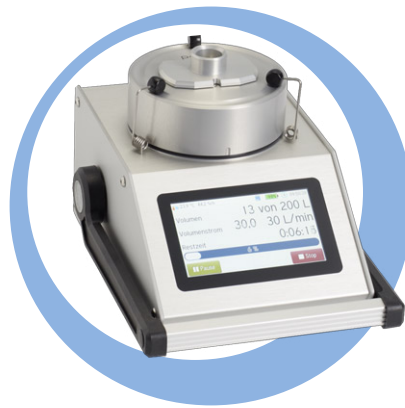


► Technical Data

Nominal volume flow	100 l/min
Jet count	500
Cut-off value (d_{ae50})	1.1 μ m
Sample medium	standard Petri dish 83–95 mm x 15 mm (D x H)
Sample air inlet	extendable with hose (5/4 inch, 31.8mm)
Dimensions	110 mm x 70 mm (D x H)
Weight	400 g



► The Particle Sampling Head **PS 30**



The particle sampler **PS 30** detects the overall spore total (cultivable and non-cultivable) in the air. The particles are deposited onto adhesive coated microscope slides.

This sampling method does not need any cultivation time. The evaluation can be performed **immediately** after the sampling using a **light optical microscope**.

The particle sampling head **PS 30** is operated with the battery-powered sampling system **MBASS30**.

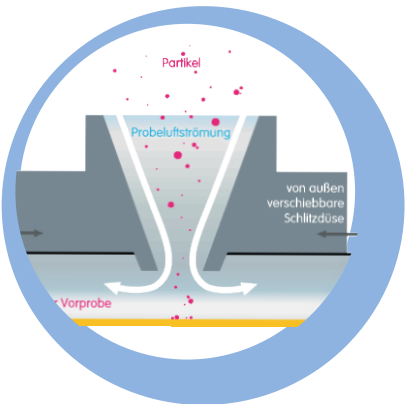
► Applications

- Examination of indoor microbiological contamination
- Control measurements performed after clean-up measures
- Qualitative examination of indoor air in production rooms and clean-rooms for particles
- Samplings according DIN ISO 16000-20



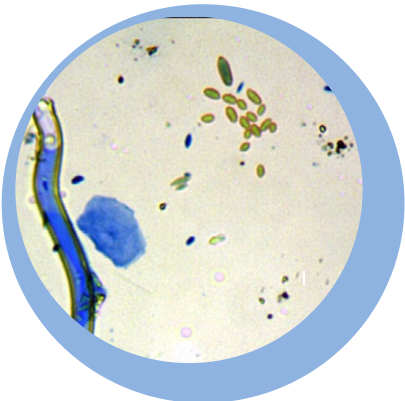
► Features

- No cultivation time – evaluation possible immediately after sampling
- Detection even of non-cultivable spores and particles
- Up to 3 samplings on one single adhesive slide
- No temperature and time restrictions for sample transport
- The hose connection at the sampling intake allows for sampling from cavities



► Functional Principle

The sampling air is drawn through a movable slot jet. The jet can be moved into three sampling positions. The considerably increased velocity of the air flow at the jet outlet accelerates the particles in the sample air towards the collecting layer of the slide, to which they remain adhered.



► Technical Data

Nominal volume flow	30 l/min
Jet dimensions	16 mm x 1.1 mm
Cut-off value (d_{ae50})	1.8 μ m
Sample medium	adhesive coated slide
Sample air inlet	extendable with hose (1 inch, 25.4 mm)
Dimensions	110 mm x 60 mm (D x H)
Weight	600 g

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The sampling heads and accessories can be obtained from a good specialist store and from

Umweltanalytik Holbach GmbH
Sperberweg 3 D-66687 Wadern

Phone: +49 (0) 6874 / 18 22 77

www.holbach.biz
info@holbach.biz