

Air Inlet Funnel LET40

Technical Data

Supported sampling heads	Air sampler LKS100 , air sampler LKS 30
Inlet dimensions of funnel	40 cm x 40 cm (external dimensions)
Dimensions when folded	Diameter: 11 cm, length: 39 cm
Weight	510 g
Textile	Nylon with PU coating, 60 g/m ² , windproof, highly water-repellent
Tensioning mechanism	4 carbon rods, end positions affixed by neodymium magnets
Cleaning	Wipe with 70 % - 80 % isopropanol. Dry afterwards with an empty sampling or by blowing out with compressed-air spray.
Note	Subject to technical changes
Article no.	02-180

Safety Instructions



The **LET40** contains four strong permanent magnets. Magnets can affect the function of pacemakers and implanted defibrillators. Magnets create a far-reaching magnetic field. They may damage, amongst others, televisions, laptops, computer hard drives, credit and EC cards, data media, mechanical clocks, hearing aids and loudspeakers.



Danger of crushing if used improperly.

Keep the **LET40** always away from children. The **LET40** is not a toy!
Never take the **LET40** apart. Improper repairs may lead to hazards for the user.
Have repairs carried out by qualified personnel only.

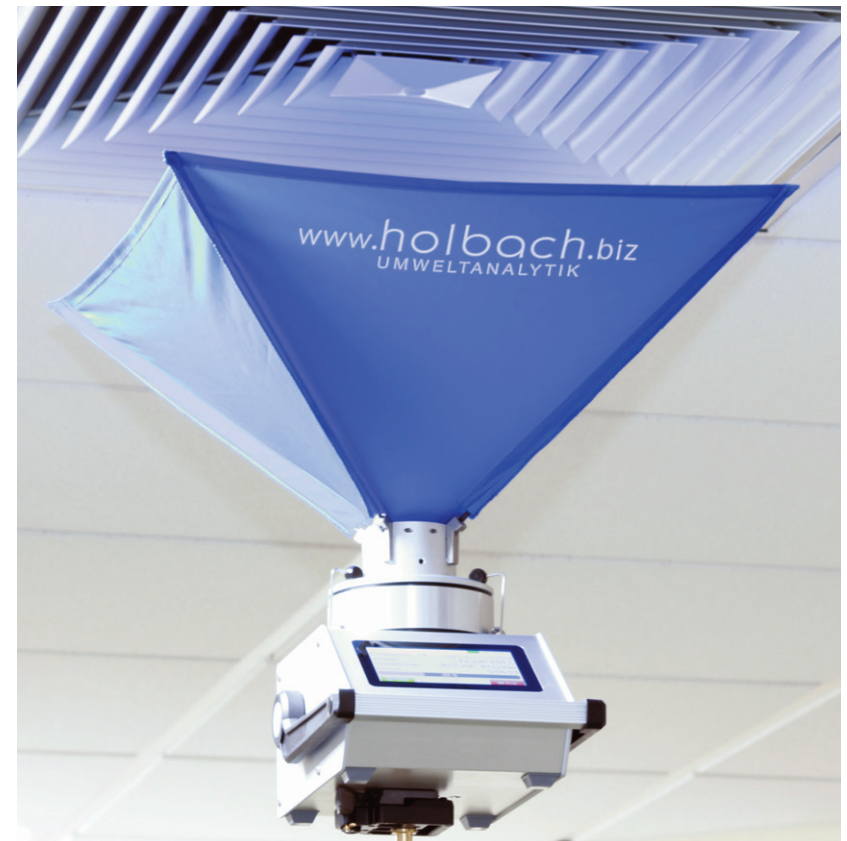
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► Air Inlet Funnel LET40



Operating Manual

Air Inlet Funnel LET40

Application

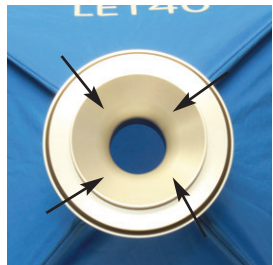
The air inlet funnel **LET40** is an optional accessory for the air samplers **LKS 30** and **LKS100** and allows for microbiological air samplings from wall and ceiling air outlets of air-conditioning systems. The **LET40** is foldable and fits into the handling case of the air sampling system **MBASS30**. Using the **LET40** is always appropriate when a separation between the sampled air from the air-conditioning system and the ambient air is required.

Components of the LET40

The air inlet funnel consists of the foldable inlet funnel with top part for the air samplers **LKS 30** and **LKS100** and the protective sleeve.

Sampling

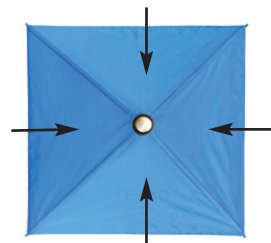
1. Install the sampling device on a suitable tripod.
2. Switch the sampling device on.
3. Clean the air sampling head according to the corresponding manual.
4. Clean the **LET40** from below with a 70 % - 80 % isopropanol cloth.



All inner surfaces of the **LET40** have to be cleaned.

Note: Because of the short residence time, the cleaning does not disinfect the surfaces. However, isopropanol dries faster than e.g. sterile water.

5. Take the top part off the air sampling head.
6. Install the **LET40** on the air sampling head.
7. Pull the protective sleeve from the **LET40** and store it in a clean place.
8. Unfold the **LET40** up to the end positions.
9. Clean the inner surfaces of the **LET40** with a 70 % - 80 % isopropanol cloth.
10. Dry the cleaned surfaces with compressed-air spray, alternatively by drawing an empty sampling (without sample-medium).



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Sampling

11. Put the Petri-dish (sample-medium) into the sampling head.
12. Start the sampling with start delay enabled.
13. Position the sampling device with the **LET40** directly below the ceiling outlet to be sampled during the start delay.

The ceiling outlet has to be active during the sampling.

14. Wait until the sampling is finished.
15. Take the device back to normal working height.
16. Take out the sampled Petri-dish.
17. If necessary, take the next sampling with another sample-medium (starting at step 11).
18. Bring the sampling device to the next sampling location.
19. Perform the cleaning and sampling starting from step 9.

After sampling:

20. Fold the **LET40** up by pushing the four rods upwards and wrapping the textile around them.
21. Put the protective sleeve back over the **LET40**.
22. Remove the **LET40** from the sampling head, put the top part of the air sampling head back on and fix it with the locking springs.

Notes

Always keep the textile surfaces of the **LET40** clean to avoid contamination of the samplings.

Keep the area around the tensioning mechanism clean such that the retention force of the magnets can be transferred to the hinges.

The seams are covered with sealing tape to avoid a possible contamination of the seams with particles (spores).

Depending of the size of the outlet, the following minimum flow rates are required for the air sampling head **LKS100**:

Ceiling outlet 40 x 40 cm and larger:	0.02 m/s for 100 l/min
Ceiling outlet 20 x 20 cm:	0.05 m/s for 100 l/min
Ceiling outlet 10 x 10 cm:	0.2 m/s for 100 l/min

