

ALPIQ

So that you are in the clear with your air.
Our clean-room measuring service.



We measure the things that you don't see.

We specialize in clean-room technology for hospitals and laboratories, the pharmaceutical industry, the electronic industry, the food industry and all sectors that rely on clean air. We are familiar with the strict requirements that must apply to clean rooms. Our measuring service guarantees an optimal approach to addressing all issues.

The right quality of air has a positive effect on well-being, safety and productivity. We measure and analyze your air and provide the basis for specific solutions, no matter what problems you face.

We are among the market leaders for building technology in Switzerland. Our portfolio as a full-range service provider includes all building technology and facility management services as well as unmatched professional know-how. In the field of clean-room technology, a number of international businesses put their faith in our longstanding experience in planning and implementing clean rooms for hospitals, laboratories and the industrial sector. We develop

individual, cost-effective solutions for each and every requirement. Our solutions are optimized for the planned task and customized to meet the actual requirements, whether it is a simple assignment or a complex project.

Professional building technology is precision work – from planning and project development, to construction and commissioning, through to operation and maintenance of technical equipment, including all servicing and upgrading.

We assure you that you will be well looked after – even after installation and commissioning. As we provide servicing and maintenance all over Switzerland, we guarantee short response times in case of trouble. Anywhere. At any time.

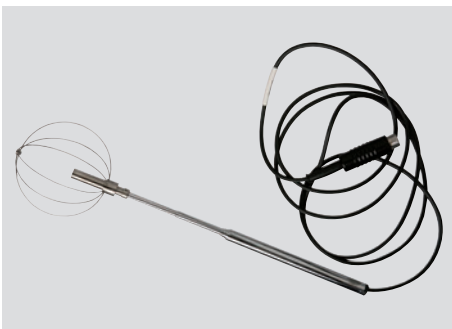


Particle measurement

Clean rooms have to comply with specific requirements relating to particle concentration. We use a particle counter to identify impurities and we document the results. We have been providing this kind of service to well-known customers for years – always in a reliable and neutral manner.

We perform measurements for the following

- DEHS scanning
- Filter performance levels
- Purity classes
- Recovery tests (recovery period)



Air values

If you control the air, you control the climate. We measure air flows, the laminar or turbulent air movements, and provide the required information. We know how to operate in laminar zones, how draughts can be identified and what specific actions can be taken.

We perform measurements for the following

- Airspeeds and the resulting quantities of supply air and return air
- Air change within the room (purification)
- Turbulence intensity (turbulent or laminar)



Differential pressure

Differential pressure is an effective means to protect rooms from outside influences. A differential pressure is created on the basis of different air volume flows. This approach is used in the hospital sector as well as in the pharmaceutical industry and the electronic industry, as clean rooms and operating rooms in hospitals only function properly if predefined pressures are adhered to. We measure differential pressures between different rooms, between a room and the atmosphere and across filters.

We perform measurements for the following

- Differential pressures between different rooms
- Differential pressures between a room and the atmosphere
- Differential pressures across filters



Visualization

We are able to visualize spatial air flows. In so doing, we can show our customers how room ventilation behaves in relation to the customers' processes. Spatial air flow behavior is extremely varied. Due to the visualization of flows, weaknesses can be identified and specific measures can be taken to remove them.

We perform measurements for the following

- Air flows in laminar zones (weighing cabinets, OR air outlets, etc.)
- Overpressures in rooms



Germ counting

We count microbiological germ numbers in the air and on surfaces. On the basis of the test results, cleaning processes are adjusted and optimized. Depending on the degree of fungal infestation, materials used need to be replaced or treated with special cleaning agents. In the pharmaceutical industry, these tests are absolutely essential and an important part of quality assurance.

We perform measurements for the following

- Contact tests of surfaces
- Counting of germs in the air



Comfort evaluation

In buildings where people work or spend their time off, these people's well-being depends on comfort. We know the criteria which determine comfort and we are aware of the critical values. In very little time, we can ascertain precisely why people don't feel well in a building. Quite often, small measures can eliminate great discomfort.

We perform measurements for the following

- Temperatures and humidity in the immediate vicinity
- Sound pressure level in the room
- Illumination or light intensity
- CO₂ content
- Turbulence intensity



	Clean rooms	Hospitals	Comfort
Particle measurement			
Filter integrity/DEHS	•	•	
Classification	•	•	
OR measurement in compliance with the SWKI hospital guideline	•	•	
Air values			
Airspeed	•	•	•
Supply air	•	•	•
Return air	•	•	•
Air circulation in the room	•	•	•
Turbulence intensity	•	•	•
Differential pressure			
Filter	•	•	•
Room	•	•	•
Visualization			
Laminar flow	•	•	
Overpressure inside the room	•	•	•
Germ counting			
Supply air	•	•	•
Contact tests	•	•	•
Comfort evaluation			
Temperatures	•	•	•
Humidity	•	•	•
Sound levels	•	•	•
Illumination	•	•	•
CO ₂ content	•	•	•

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