

Laboratory Test Chambers LabEvent



Test whatever you like.

From motherboards to lipsticks - in research, development and quality control, you won't want to take any chances. We'll support you.



Temperature and climate tests in a very small space.

In research and development laboratories, the functionality and practicality of a product is ensured at a very early stage. Limited laboratory space and the necessity of testing smaller test specimens directly at the workstation make compact and low-noise devices necessary. Our Laboratory Test Chambers LabEvent make it possible to test the functionality of test specimens under the influence of both temperature and humidity. This can lead to component malfunction being recognised and dealt with in good time.

Lots to test? No problem!

When testing your products, you must adhere to numerous test standards and carry out long-term tests. Our test chambers are designed for these situations. The models cover a wide range of applications and satisfy every need. For specific requirements, you can upgrade every system with many options based on your individual needs.

Perfection in performance, equipment and design.

Laboratory Test Chambers LabEvent.

Precisely engineered.

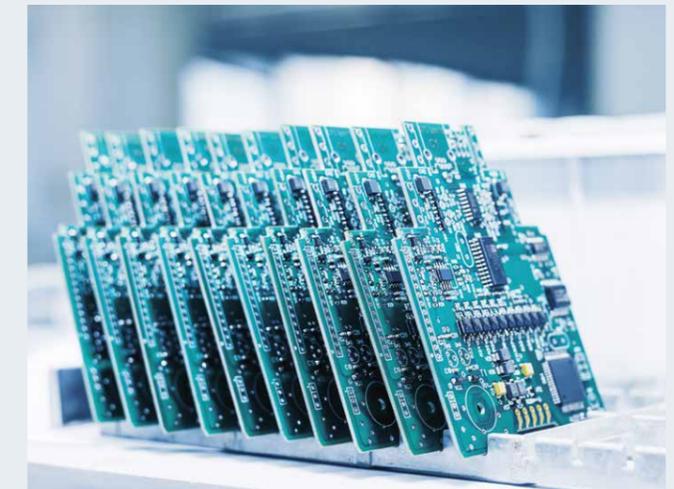
We know what matters for your tests: reliable, precise and reproducible results. That's why we design our test chambers to meet exactly these demands. Because incorrect results lead to incorrect conclusions. With your needs in mind, we already eliminate any interference factors during the design phase, relying on our comprehensive expertise and years of experience.

Perfectly manufactured.

For us, quality is our daily business. We use only high-quality materials and manufacture many of the components for our test chambers in-house. In addition, we have regular quality checks in place throughout the entire production process.

Absolutely low maintenance.

Set up, plug in, start the operation. The intelligent, compatible control elements and intuitive user interface guarantee easy operation. Easily accessible maintenance elements ensure minimal service times. Diagnostics and inspection systems in every machine additionally shorten downtimes and optimise maintenance periods.



Our highlights:

- New, eco-friendly refrigerant R449A
- WEBSeason® - web-based user interface
- Space-saving thanks to compact design
- Large choice of standardised options

More equipment, right from the start.

Basic equipment setting standards.



You can find further details on equipment in our technical descriptions. **Contact us.**

Exterior



- **Future-proof - refrigerant R449A**

The new refrigerant R449A is used in all temperature and climate test chambers of the LabEvent type. The GWP value of just 1397 ensures safe usage even after 2030 and the refrigerant does not have to be replaced. As a result, we are already surpassing the future statutory standards today, thus future-proofing your tests, making the equipment easier to maintain and more environmentally friendly.

- **Compact - on your table**

The technology is installed in the equipment in such a way that the footprint is minimised. Every test chamber requires less than 1 m² space - standardised as benchtop device.

Interior



- **Clever - automated processes**

Water feeding of demineralised water for long-term tests and to avoid manual refilling.

- **Clean - no chance for dirt**

The test space is made of corrosion-resistant stainless steel 1.4301. Thanks to special welding and smooth surfaces, the test space is easy to clean.

- **Precise - reliable reproducibility**

The humidity of the test space air is measured according to the internationally valid psychrometric measuring principle. The life time of the psychrometer wick is considerably increased due to a self-cleaning mechanism.

Regulation & Control



- **Intuitive - Interface WEBSeason®**

You can use the innovative User Interface **WEBSeason** to program, control and monitor your tests at any time and anywhere, even from your tablet or smartphone. Language and units can be set to suit the user and the settings can be saved. In this way, **WEBSeason** creates a new dimension of flexibility and efficiency.



Our innovative Test Chambers are available as **weisstechnik** or **vötschtechnik**.

Standards - no problem. In a versatile way and in limited space.
Reliable testing of constant climate, temperature change, heat and cold.

Tailor-made testing.

Optional equipment for individual solutions.

Exterior



- **Dry - through compressed air**
The optional compressed air dryer to avoid condensation on the test specimen is available as a supplement.
- **Reaching high - saving space**
A custom-built tool offers the possibility to stack the Laboratory Test Chambers.
- **Mobile - and flexible**
Two fixed and two swivel castors allow for sufficient flexibility in the mobile version.

Interior



- **Chilled - cooling with water**
Water cooling to increase the permissible operating temperature from 27 to 35 °C.
- **Functional - everything under control**
Determine the position, size and number of access ports according to your individual test requirements. Access ports in the test space floor are also possible.
- **Efficient - simple distribution of test specimens**
Test specimen of up to 75 kg can be placed on a maximum of five to seven shelves.

Regulation & Control



- **Digital - Software SIMPATI®**
The Software **SIMPATI®** makes operating, documenting and archiving your test sequences very easy. In addition, the new cloud solution **SIMPATI® online** offers you the possibility of automating your test reporting.



You can find further details on equipment in our technical descriptions. **Contact us.**

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Developed exclusively for you:
The unique software package
for the perfect test process.



Convincing technology. Reliable results.

The performance data at a glance.

Type	Exterior dimensions, HxWxD	Exterior dimensions, incl. optional mobile design, HxWxD	Test space dimensions, HxWxD	Min. temperature ²	Max. temperature	Temperature change rate, cooling ³	Temperature change rate, heating ³	Temperature deviation, in time ⁴	Temperature homogeneity, in space ⁵	Heat compensation ⁶ , max.	Heat compensation at -20 °C	Temperature range	Humidity range	Dew point temperature range	Humidity deviation, in time ⁷	Temperature deviation, in time ⁴	Temperature homogeneity in space ⁵
	mm	mm	mm	°C	°C	K/min.	K/min.	K	K	W	W	°C	% RH	°C	% RH	K	K
PERFORMANCES FOR			TEMPERATURE TESTS									CLIMATE TESTS					
LabEvent L T/34/40/5	1000x661x791	1684x661x791	310x350x290	-40	+180	4.5	4.0	±0.3 to ±1.0	±0.5 to ±2.0	600	100	+10 to +95	+10 to +95	+4.8 to +93.6	±1.0 to ±3.0	±0.3 to ±0.5	±0.5 to ±1.5
LabEvent L T/34/70/5	1684x661x791	Standard ⁸	310x350x290	-70	+180	5.0	4.0			350	300						
LabEvent L T/64/40/3	1090x781x843	1774x781x843	400x470x340	-40	+180	4.0	4.0			750	150						
LabEvent L T/64/70/3	1090x781x843	1774x781x843	400x470x340	-70	+180	4.0	4.0			670	280						
LabEvent L T/100/40/5	1191x801x995	1872x801x995	500x490x405	-40	+180	4.5	3.0			2300	1000						
LabEvent L T/100/70/3	1191x801x995	1872x801x995	500x490x405	-70	+180	4.0	3.0			2100	870						
LabEvent L T/100/70/10	1872x801x1200	Standard ⁸	500x490x405	-70	+180	10.0	10.0			3000	1200						
LabEvent L T/150/40/5	1191x801x1200	1872x801x1200	500x490x610	-40	+180	4.5	3.0			2000	800						
LabEvent L T/150/70/3	1191x801x1200	1872x801x1200	500x490x610	-70	+180	4.0	3.0			1800	700						
LabEvent L T/150/70/10	1872x801x1200	Standard ⁸	500x490x610	-70	+180	9.0	9.0			2800	1100						
LabEvent L C/34/+10/5	1000x661x926	1684x661x926	310x350x290	+10	+180	6.5	4.0			600	-						
LabEvent L C/34/40/5	1000x661x926	1684x661x926	310x350x290	-40	+180	4.5	4.0			600	100						
LabEvent L C/34/70/5	1684x661x791	1684x661x926	310x350x290	-70	+180	5.0	4.0			350	300						
LabEvent L C/64/+10/3	1090x781x978	1774x781x978	400x470x340	+10	+180	5.5	4.0			750	-						
LabEvent L C/64/40/3	1090x781x978	1774x781x978	400x470x340	-40	+180	4.0	4.0			750	150						
LabEvent L C/64/70/3	1090x781x978	1774x781x978	400x470x340	-70	+180	4.0	4.0			670	280						
LabEvent L C/100/+10/5	1191x801x1130	1872x801x1130	500x490x405	+10	+180	6.5	3.0			2300	-						
LabEvent L C/100/40/5	1191x801x1130	1872x801x1130	500x490x405	-40	+180	4.5	3.0			2300	1000						
LabEvent L C/100/70/3	1191x801x1130	1872x801x1130	500x490x405	-70	+180	4.0	3.0			2100	870						
LabEvent L C/100/70/10	1872x801x1200	Standard ⁸	500x490x405	-70	+180	10.0	10.0			3000	1200						
LabEvent L C/150/+10/5	1191x801x1335	1872x801x1335	500x490x610	+10	+180	5.5	3.0	2000	-								
LabEvent L C/150/40/5	1191x801x1335	1872x801x1335	500x490x610	-40	+180	4.5	3.0	2000	800								
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LabEvent L C/150/70/10	1872x801x1200	Standard ⁸	500x490x610	-70	+180	9.0	9.0	2800	1100								
Calibration values (factory calibration):			+23 °C and +80 °C									+23 °C/50% RH and +80 °C/50% RH					

¹The required clearances can be reduced by dismounting components.

²Temperatures > +5 °C can be run in continuous operation, < +5 °C discontinuously or with additional compressed air dryer.

³In accordance with IEC 60068-3-5; on average, measured in the test space centre.

⁴In the middle of the test space when it is empty and in steady state, without specimen, without heat radiation and without additional equipment, depending on temperature.

⁵Relative to the selected set point in the temperature range from the minimum temperature up to +150 °C and/or at humidity >20% RH.

⁶Is reached at different temperatures depending on the device type.

⁷In the middle of the test space when it is empty and in steady state, without specimen, without heat radiation and without additional equipment, depending on climate value.

⁸Base is included as standard and cannot be deselected.

All specifications are average values for standard devices and apply at +25 °C ambient temperature and +18 °C cooling water supply temperature and 230 V/50 Hz nominal voltage (except 100/70/10 and 150/70/10: 400 V/50 Hz), without specimen, without heat radiation and without optional equipment. The product needs fluorinated gases for functioning. Depending on the type, it contains refrigerants R449A and R23.

Our innovative Test Chambers are available as **weisstechnik** or **vötschtechnik**.

We measure ourselves by our service.

We think and act collaboratively service-oriented. With our service teams, we offer sustainable solutions for long-term safe system operation.



Our services -
lots of good reasons:

- Global service network
- Wide selection of preventive maintenance
- Reliable spare part supply
- Special deployments available any time
- Certified proper disposal of outdated devices

Our Service Experts are always near you.

24/7-Service-Helpline:
+49 1805 666 556

Expert advice

Our experienced experts are ready to support you from the first idea to after-sales service in every step of your project, by telephone or on the spot.

Maintenance and servicing

We offer different service levels and guaranteed reaction times after the receipt of the fault report. Our full maintenance service provides additional safety with calculable costs.

Spare parts management

Many spare and wearing parts are directly available in our warehouse. To further increase operational reliability, selected spare parts can additionally be stocked on site. We would be pleased to advise you further.

Instruction and training

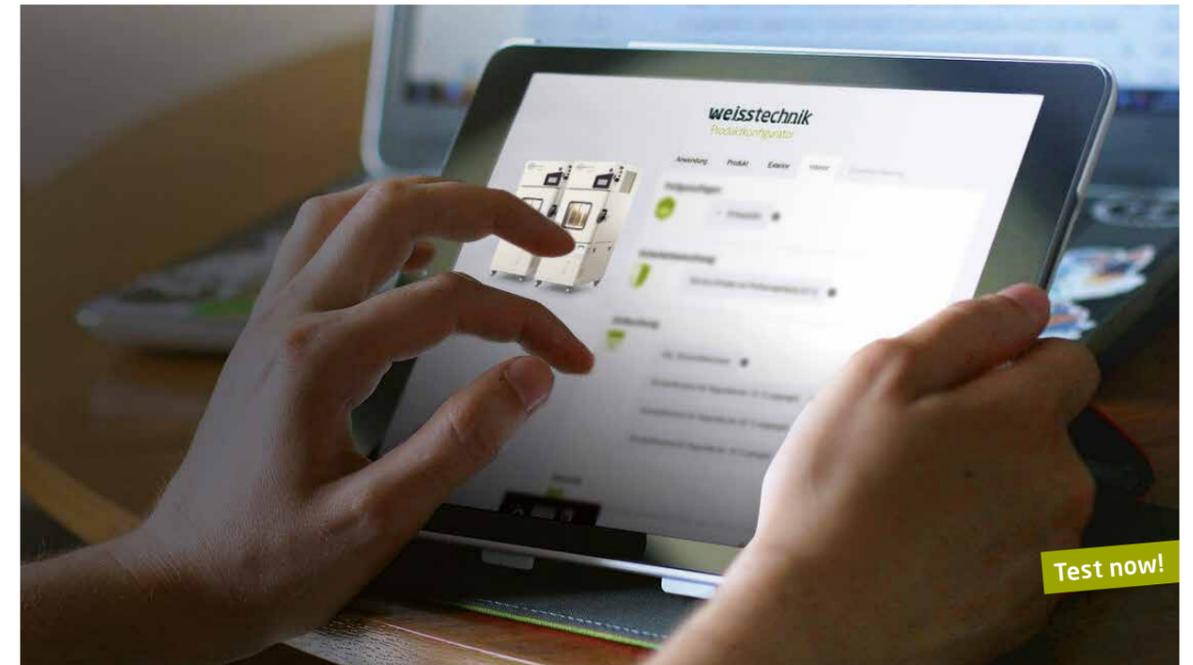
We provide regular trainings covering the application, operation and software of the units. We also offer customer-specific workshops on request at your location.

Unlimited testing.

Test chambers for all requirements.

We have a broad range of devices and systems for environmental simulation. No matter whether temperature, climate, vibration, corrosion, emission, altitude, pressure or combined stress testing: we have the right solution for you and deliver systems in all sizes, from series versions to customer-specific, process-integrated systems. For high reproducibility and precise test results.

You too can benefit. **Contact us!**



The **weisstechnik Product Configurator** is here!

Simply configure your very own LabEvent. The online tool guides you through the configuration for your specific application in just a few steps. Test us!



Passionately innovative.

We work in partnership to support companies in research, development, production and quality assurance.
With 22 companies in 15 countries at 40 locations.

weisstechnik

For a safe future.



Environmental Simulation

The first choice for engineers and researchers for innovative, safe environmental simulation facilities. In fast motion, our test systems can simulate all the influences in the world as well as for instance in space. In temperature, climate, corrosion, dust or combined stress tests. With a very high degree of reproducibility and precision.



Air Solutions

As the leading provider of clean rooms, climate technology and air dehumidification, we consistently ensure optimal climatic conditions for people and machines. For industrial production processes, in hospitals, mobile operation tents or in the field of information and telecommunications technology. From project planning to implementation.



Heat Technology

Experienced engineers and designers develop, plan and produce high-quality, reliable heat technology systems for a broad range of applications from heating and drying cabinets to microwave systems and industrial furnaces.



Pharmaceutical Technology

With decades of experience and know-how, we guarantee the most sophisticated clean air and containment solutions. Our comprehensive and innovative range of products includes barrier systems, laminar flow systems, safety workbenches, isolators, airlocks and stability test systems.

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Test it. Heat it. Cool it.



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Illustrations may contain options.
Subject to technical changes.