LAB & INDUSTRY EQUIPMENT

# BUCH HOLM


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weisstechnik®
a schunk company

# Benchtop Temperature Test Chambers LabEvent

Illustration is similar, contains options

# Test whatever you like.

**From eyeshadows to circuit boards – in research, development and quality control, you won't want to take any chances. We'll support you.**

**Temperature tests in the smallest of spaces.**

The functionality and usability of a product is ensured at very early stages in research and development laboratories. Limited laboratory space and the need to test small samples directly at the workplace call for compact, mobile and quiet instruments. Our Temperature Test Chambers LabEvent provide a perfect solution for development and quality assurance. Reproducible, certified and under accelerated conditions.

**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. Our 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.

**Benchtop Temperature Test Chambers LabEvent.**

**Precisely engineered.**

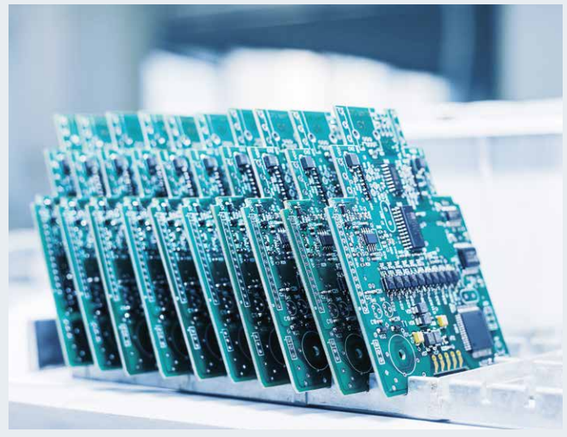
We know what matters for your tests: reliable, precise and reproducible results. That's why we design our test chambers to meet exactly these demands. Because incorrect results lead to incorrect conclusions. With your needs in mind, we already eliminate any interference factors during the design phase,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



**Highlights at a glance:**

- **New, eco-friendly refrigerant R449A**
- **WEB**Season® **web-based user interface**
- **Space-saving compact design**
- **Universal application thanks to variable temperature controls**

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Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

# More equipment, right from the start.

**Basic equipment setting standards.**

**Available with moveable substructure**


Illustration is similar, contains options

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

## Exterior

- **Move safely into the future – using the new refrigerant**
  The new refrigerant R449A is used in all Temperature Test Chambers LabEvent. 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 therefore future-proofing your tests, making the equipment easier to maintain and more environmentally friendly.

- **Minimum space requirements**
  The technology is fitted into the devices in such a way that the footprint is minimised. Each device needs an area of merely 0.25 to 1 $m^2$.

## Interior

- **No chance for dirt or corrosion**
  The test room is made of corrosion-resistant 1.4301 stainless steel. Thanks to special welding and smooth surfaces, the test chamber is easy to clean.

## Regulation & Control

- **Into the age of connectivity – with WEB**Season®
  You can use the innovative **WEB**Season user interface 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, **WEB**Season provides a new dimension of flexibility and efficiency.

Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

# Tailor-made testing.

**Optional equipment for individual solutions.**

## Exterior

- **Safely stored**
  In addition to more mobility, the laboratory bench of the compact table devices also provides three lockable drawers to store laboratory material.

## Interior

- **High or low, whatever you prefer**
  One or several drawers on telescopic rails can be flexibly positioned in the test chamber and offer secure support.
- **Earthing included**
  A new ESD model protects your test specimen from electrical discharge.
- **Small test specimen largely distributed**
  Thoroughly test your samples – with a total weight of up to 125 kg – on up to nine grids.

## Regulation & Control

- **Set standards in communication**
  With **S!M**PATI® software, operating, documenting and archiving your test sequences is very easy.

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

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**Available as compact table device**

Illustration is similar, contains options

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

S!M PATI®

# Convincing technology. Reliable results.

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**The performance data at a glance.**

| Type | Exterior housing dimensions[1], H x W x D | Test space dimensions, H x W x D | Minimum temperature[2] | Maximum temperature | Temperature-changing rate cooling[3] | Temperature-changing rate heating[3] | Temperature deviation in time[4] | Temperature homogeneity in space[5] | Maximum heat compensation[6] | Heat compensattion at -20 °C |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | mm | °C | °C | K/min | K/min | K | K | W | W |
| **PERFORMANCES FOR** | | | **TEMPERATURE TESTS** | | | | | | | |
| **LabEvent T/20/40/3** | 625 x 470 x 574 | 205 x 310 x 230 | -40 | +130 | 4,0 | 5,0 | ±0,3 to ±1,0 | ±0,5 to ±2,0 | 240 | 80 |
| **LabEvent T/40/40/5** | 676 x 1002 x 779 | 400 x 320 x 290 | -40 | +180 | 6,0 | 5,3 | ±0,2 to ±0,5 | ±0,5 to ±1,5 | 550 | 190 |
| **LabEvent T/40/70/5** | 676 x 1002 x 779 | 400 x 320 x 290 | -70 | +180 | 4,7 | 5,3 | ±0,2 to ±0,5 | ±0,5 to ±1,5 | 500 | 300 |
| **LabEvent T/110/40/3** | 1640 x 850 x 1070 | 630 x 560 x 350 | -40 | +180 | 3,5 | 3,5 | ±0,1 to ±0,5 | ±0,5 to ±1,0 | 1000 | 370 |
| **LabEvent T/110/70/3** | 1640 x 850 x 1070 | 630 x 560 x 350 | -70 | +180 | 3,2 | 3,5 | ±0,2 to ±0,5 | ±0,5 to ±1,0 | 800 | 660 |
| **LabEvent T/110/70/5** | 1640 x 850 x 1070 | 630 x 560 x 350 | -70 | +180 | 6,0 | 10,0 | ±0,3 to ±1,0 | ±0,5 to ±2,0 | 1600 | 1600 |
| **LabEvent T/210/40/3** | 1640 x 850 x 1290 | 630 x 560 x 570 | -40 | +180 | 3,1 | 2,5 | ±0,2 to ±0,5 | ±0,5 to ±1,5 | 1000 | 370 |
| **LabEvent T/210/70/3** | 1640 x 850 x 1290 | 630 x 560 x 570 | -70 | +180 | 2,5 | 2,5 | ±0,2 to ±0,5 | ±0,5 to ±1,5 | 800 | 660 |
| **LabEvent T/210/70/5** | 1640 x 850 x 1290 | 630 x 560 x 570 | -70 | +180 | 5,0 | 8,0 | ±0,3 to ±1,0 | ±0,5 to ±2,0 | 1600 | 1600 |
| **Calibration values:** | +80 and -25 °C for LabEvent T/20/40/3 to LabEvent T/210/40/3 (all devices up to -40 °C)<br>+80 and -40 °C for LabEvent T/40/70/5 to LabEvent T/210/70/5 (all devices up to -70 °C) | | | | | | | | | |

[1]The required clearances can be reduced by dismounting components.
[2]Temperatures >+5 °C are permitted in continuous operation; temperatures <+5 °C are permitted discontinuously or with the addition of a compressed air dryer.
[3]According to IEC 60068-3-5; on average, measured in the supply air at LabEvent T/110 und T/210, measured in the return air at T/20 und T/40.
[4]In 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.
[5]Relative to the selected set point in the temperature range from the minimum temperature up to +150 °C (exception: LabEvent T/20/40/3 in the temperature range from -40 to +100 °C).
[6]At +20 °C for temperature tests.

All data are average values of standard devices and refer to an ambient temperature of +25 °C and a cooling water supply temperature of +18 °C, a nominal voltage of 230 V/50 Hz, without test material, without irradiation and without additional equipment.
The product needs fluorinated gases for functioning. Depending on the type, it contains refrigerants R449A and R23.

**We reserve the right to make any technical changes without prior notice.**

Our innovative Test Chambers are available as **weiss**technik or **vötsch**technik.

# Become more efficient.

## Our solutions will save you time and money.

**Get the most out of your test facility.**


**Create your own perfect testing process with the S!MPATI® software package.**

Process management/documentation/networking

- Up to 99 systems can be connected
- Programs for automated processes
- Documentation, visualisation and management of process data
- Traceability of process data for seamless quality control


**We measure ourselves by our service!**

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

**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

You can always find a **weiss**technik expert near you.



# Unlimited testing.

## Test Chambers for all requirements.

We provide a wide range of systems and devices for environmental simulation. Whether you are carrying out temperature, climate, vibration, corrosion, emissions, altitude, pressure or combined stress testing: We have the right solution and can supply systems in all sizes. From series products right through to customer-specific, process-integrated systems. The choice is yours. For excellent reproducibility and precise test results.

You can find further information on
**www.weiss-technik.com**

# 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.**

**weiss**technik
**Test it. Heat it. Cool it.**

### 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.

### Climate Technology, Air Dehumidification, Clean Rooms

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.

### Clean Air and Containment Systems

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 and airlocks.

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