weisstechnik®
a schunk company

Now with humidity control!

Temperature Test Chambers LabEvent T 210

Testing and dehumidifying a lot? No problem.

When testing your products, you have to comply with numerous standards and carry out long-term tests. This is exactly what LabEvent is designed for.

The optimal solution.

You now have the option to test both constant climates and selected alternating climates. In a reproducible, certified and accelerated manner. The LabEvent T 210 offers you a safe solution to meet any special requirements with two dehumidification options: using either dry air or a dehumidification cooler.

Play it dry when testing – we will support you!

Our highlights:

- One device, two types of dehumidification
- Smallest footprint in its class
- Optimised test space for 19-inch sub-racks
- Plug&Play thanks to 230-volt connection

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Convincing technology. Reliable results.

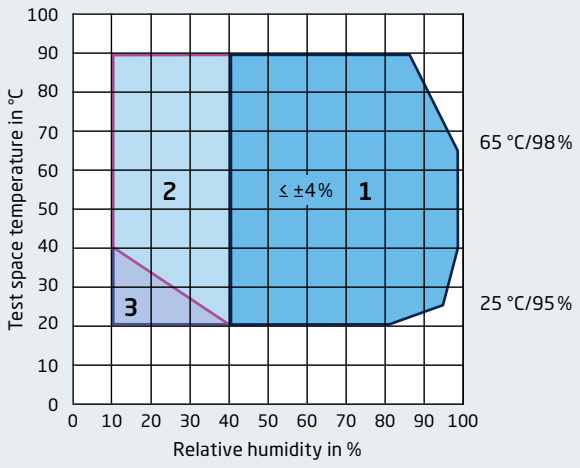
LabEvent T 210 with climate option				
Type		**T/210/40/3**	**T/210/70/3**	**T/210/70/5**
Test space volume	**l**	200	200	200
Test space dimensions, H x W x D	**mm**	630 x 560 x 570	630 x 560 x 570	630 x 560 x 570
Exterior dimensions, H x W x D[1]	**mm**	1640 x 850 x 1250	1640 x 850 x 1250	1640 x 850 x 1250
Temperature range[2]	**°C**	-40 to +180	-70 to +180	-70 to +180
Temperature deviation speed, heating[3]	**K/min**	2.5	2.5	10.0
Temperature deviation speed, cooling[3]	**K/min**	3.1	2.5	5.0
Temperature deviation, in time[4]	**K**	±0.2 to ±0.5	±0.2 to ±0.5	±0.3 to ±1.0
Dewpoint temperature range	**°C**	+6 to +86	+6 to +86	+6 to +86
Humidity range	**% RH**	10 to 98	10 to 98	10 to 98
Temperature range for climatic test[5]	**°C**	20 to 90	20 to 90	20 to 90
Humidity constancy, in time[6]	**% RH**	±1 to ±4	±1 to ±4	±1 to ±4
Nominal power	**kW**	1.5	1.8	4.7
Weight	**kg**	325	355	380
Sound pressure level	**dB(A)**	53	56	65
Supply voltage	**V**	230	230	400

[1]The required clearances can be reduced by dismounting components.
[2]Temperatures >+5 °C can be run in continuous operation, temperatures <+5 °C can be run intermittently or with the additional compressed air dryer equipment.
[3]According to IEC 60068-3-5; average, measured in the supply air.
[4]In the middle of the test space in steady state, without test material, without irradiation and without additional equipment, depending on the temperature.
[5]Discontinuous operation (+4 to -3 °C).
[6]In the middle of the test space and in steady state, depending on climate value.

All mentioned performance data refer to an ambient temperature of +25 °C and a cooling water temperature of +18 °C.
The product requires fluorinated gases to function. It contains refrigerant R449A and R23 for models T/210/70/3 and T/210/70/5.

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

Climate diagram with two types of dehumidification



[1]With dehumidification cooling (without compressed air). [2]With compressed air dehumidification. [3]With compressed air dryer.

The advantages for you:

- Meets constant climate standards
- Compliant to climate change standard IEC 60068-2-30 test Db, var. 2
- Humidity range up to 98 % with smallest footprint
- High-precision control
- Energy-saving thanks to standardised compressed air connection
- Flexible dehumidification via compressed air or dehumidification cooler

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