



LabEvent T/20/30/5 (CO₂)

Laboratory temperature test chamber

The solution for temperature tests with limited space. The test chambers in the LabEvent range are available with test chamber volumes from 16 to 210 liters. With a wide temperature range, they are ideal for reproducible tests on small test samples in the fields of research, development and quality control. LabEvent chambers comply with common test standards such as DIN, ISO, MIL, IEC, DEF, ASTM.

Our highlights:

- Compact Design
- Also with new climate-friendly refrigerant R744
- Low connected load/energy consumption
- Quiet operating noise
- Protect your valuable test material.
- Stress Screening possible
- Customised to the requirements of your test

Technical Data.

LabEvent T/20/30/5 (CO2)

Selection of relevant options

Label	Description
WKD Temperature calibration	WKD temperature calibration in the middle of the test space (empty, 1st value).
WKD Temperature calibration, additional, per temperature value	WKD temperature calibration for each additional temperature value.
Door hinged on the right	Version of the device door with door hinge on the right side. The notched port option is not possible. The flat notch port option is possible at the top left.
Special voltage 110 V, 1/N, 60 Hz ±10 % for -40 °C	Voltage conversion via transformer in a separate housing. The connection cable is designed for a permanent mains connection. Length approx. 4 m.
Temperature measurement on test specimen	Movable temperature sensor Pt 100 with flexible cable for temperature measurement at any point in the test room or on the test object. The measured value is displayed in °C on the control panel and can be called up via the interfaces or the free analogue outputs of the measured value card.
Temperature measurement on test specimen (max. 1 sensor) switchable as control sensor	The changeover is via a digital switch channel. The measured value is displayed on the control unit and can be called up via the interfaces. The sensor is inserted into the test space via the standard port.
Additional 2 Digital I/O	2 digital outputs for controlling the additional functions via the potential-free contacts, load max. 24 V-DC, 0.5 A, 2 digital inputs can be queried via interface, load max. 24 V-DC, approx. 30 mA
Temperature range extension to -40	This modification allows a temperature point setting down to -40°C. This modification contains a special PLC configuration and adjustment to allow a minimum of temperature down to -40°C.
Interface cable RS 232, 5 m	Connection cable from serial interface RS 232 to the customer-provided computer, 9-pin computer connection socket. For test chambers with TC, CTC or MOPS control, an adapter plug is required.
Interface cable RS 232, 15 m	Connection cable from serial interface RS 232 to the customer-provided computer, 9-pin computer connection socket. For test chambers with TC, CTC or MOPS control, an adapter plug is required.
SIMPATI® Update	Software-Update to the latest SIMPATI® version.
Converter cable USB to RS 232, 450 mm	Converter cable 100 mm long, for conversion from serial interface RS 232 to computer port USB, type A with driver CD.
Interface converter from RS 232 to IEEE 488	The converter is connected to serial interface RS 232. Simultaneous operation with the Laptop control station is not possible. Serial interface RS 232 (available as additional equipment, order no. 64624983) is necessary for test chambers with SIMPAC® control.
Serial interface RS 232	Installation of the RS 232 interface in the main switch field
Ethernet connecting cable RJ45, 15 m	Connection cable for interface Ethernet, designed as cross-over patch cable. Plug-in connection via RJ45 plug, both sides.

Ethernet software driver for LabVIEW 2013	For all devices with a S!MPAC® control unit that communicate via Ethernet (IPv4).
S!MPATI® full version	Windows software S!MPATI® allows the networked programming, control and monitoring of test systems as well as the evaluation and documentation of their test sequences. ▪ Graphical display of all test systems ▪ Creation, storage and editing of complex environmental simulation programs ▪ Camera evaluation in combination with S!MPATI® time labs ▪ Automatic creation of test reports (optionally by the S!MPATI® Online add-on) ▪ Test reporting and test specimen management (optionally with S!MPATI® Online add-on) and much more!
S!MPATI® additional licence	Please note that running additional licences (up to 99 licences are supported) may require you to expand your on-board memory and install extra interfaces in your PC.
S!MPATI® time labs	S!MPATI® time labs allows you to graphically analyse and document your tests by means of images. This software module allows you to record S!MPATI® measurement data and images at the same time and to correlate them for display running the S!MPATI® analysis software component. It will significantly improve the traceability of your test documentation.
Ballast, 110 V, for interface converter IEEE 488	The interface converter converts the serial to a parallel interface. The converter occupies the serial interface RS 232, the simultaneous operation with the Laptop control unit is not possible.
Foam silicone plug, nominal width 50 mm, 1 x slotted	Suitable for access ports, nominal width 50 mm. The foam silicone plug Ø 56 x 40 mm has one slot for cables and measuring lines.
Access port Ø 50 mm L1	Access port nominal width 50 mm including foam silicone plug, slotted.
Access port Ø 80 mm R1	Access port nominal width 80 mm including foam silicone plug, slotted.
Access port Ø 80 mm L1	Access port nominal width 80 mm including foam silicone plug, slotted.
Laboratory trolley, mobile	Mobile, with four castors, two of which equipped with arresting device. With table-top and three lockable drawers. Dimensions: W x D x H: 1000 x 750 x 720 mm. Front height of drawers: 1 x 100 mm and 2 x 150 mm Max. loading capacity: 300 kg