

The advantages at a glance

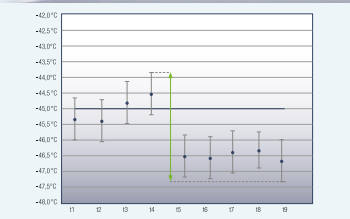


Visual and audible temperature alarms alert the user if **temperature deviation limits** are exceeded. The parameters for the temperature alarm can be individually set. The integrated data memory with min/max temperatures in the **Comfort electronic controller**

logs possible temperature fluctuations with date, time and duration of the alarm. In addition the electronic controller ensures high temperature consistency in the interior. All laboratory chest freezers are designed in accordance with ISO 60068-3.

Volt-free contact in chest freezers with Comfort electronic controller for forwarding alarms to an **external remote warning system**.

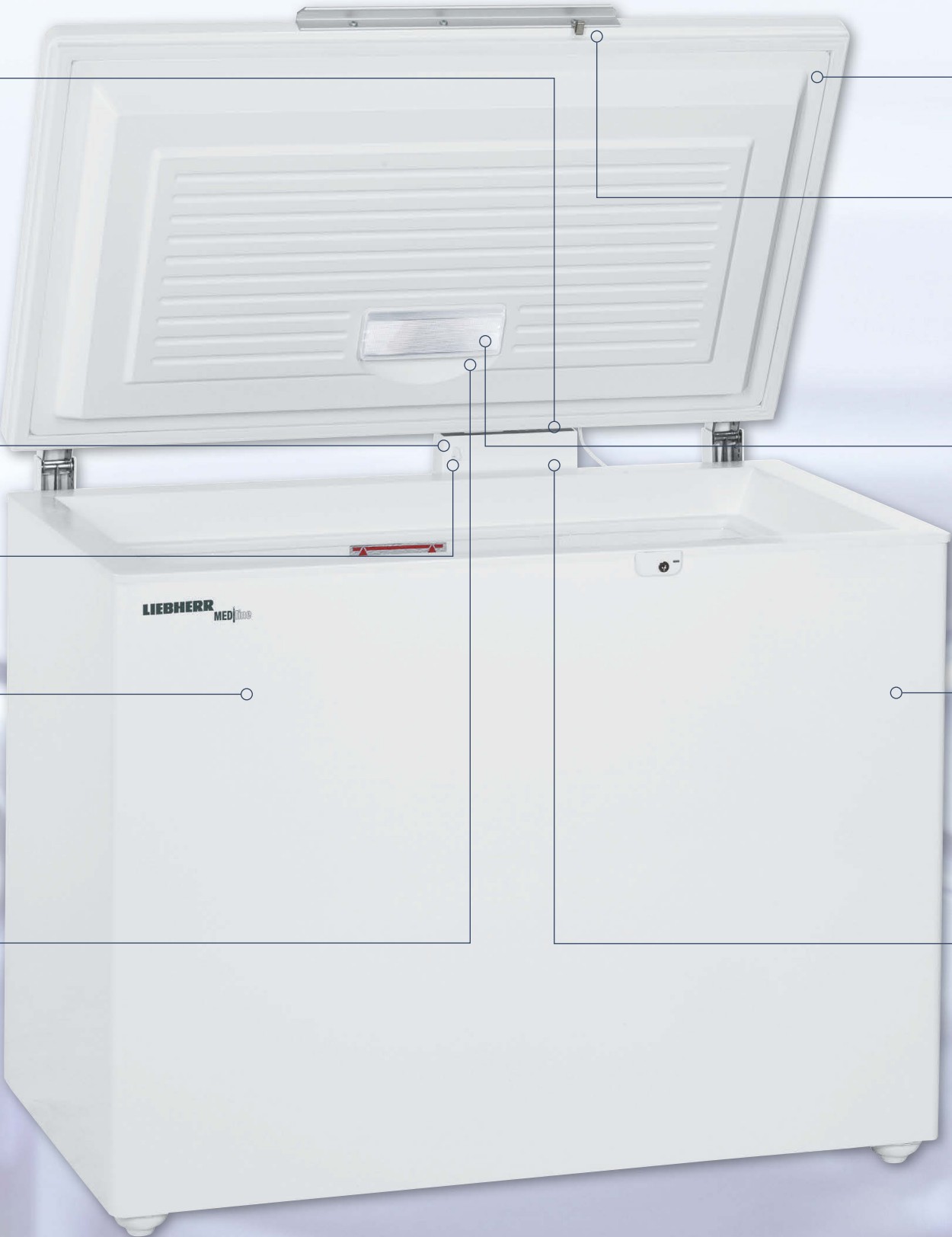
Precision Comfort electronic controller with digital temperature display for accurate temperature setting. Thanks to its position on the **chest rear**, the electronic controller can be connected to external systems.



The precision Comfort electronic controller ensures **maximum temperature stability** and **high temperature consistency** in the interior.

Stop Frost

The **StopFrost system** fitted to the LGT models reduces frosting of the interior and the freezer contents – so the time-consuming process of defrosting is necessary far less often. The **vacuum** is also equalised quickly after the lid is opened and closed so that the chest can be re-opened effortlessly.



Sturdy, one-piece and easy-to-clean **lid**. The **strong lid hinges** are designed for at least 300,000 openings.

The **aluminium handle** on the LGT models is simple and tough for intensive commercial use. All appliances have **locks** as standard.



The lid has an integrated, **energy-efficient LED interior light** to **improve visibility** in the interior.



Access port (diameter 10 mm) for integration of the optionally available **NTC temperature sensor** or independent temperature sensor PT 100 or similar measuring instruments.

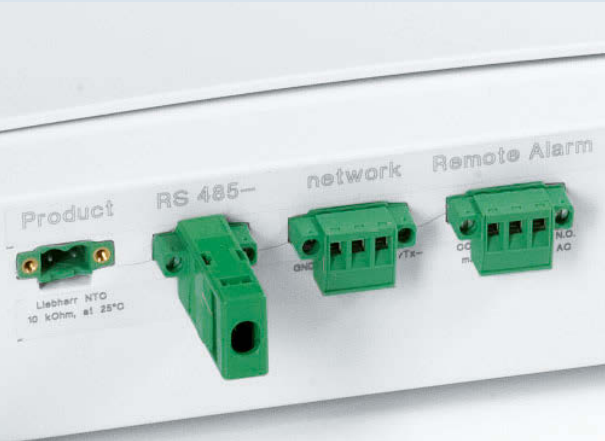


Laboratory chest freezers with a **Comfort electronic controller** are equipped with **1-point calibration** for accurate temperature control.

Quality right down to the smallest detail

The Liebherr laboratory chest freezers up to -45°C are available in three different sizes and are specially designed for the requirements in the research, laboratory, healthcare and industrial sector. The 1-point calibration ensures high temperature

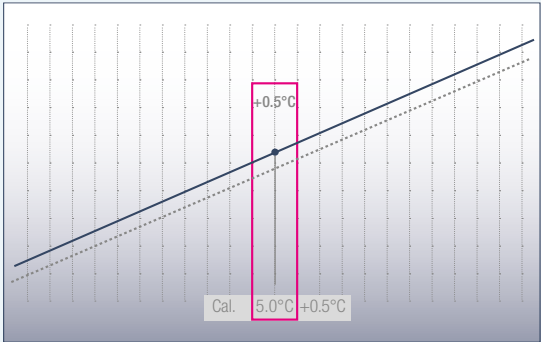
consistency. Integrated alarm systems and external temperature and alarm monitoring contribute to the safe storage of samples, chemicals and research materials.



External temperature and alarm documentation.
The laboratory chest freezers are equipped with a volt-free contact for alarm forwarding to an external remote warning system. In addition, they have an RS 485 serial interface for central documentation of the temperature profiles and alarm events.



The Comfort electronic controller.
The precision Comfort electronic controller with digital temperature display enables temperatures to be set accurately. Symbols indicate the operating status of the appliance. To ensure the level of hygiene required in the laboratory, the electronic controller is flush-mounted and equipped with a membrane keyboard.



Accurate 1-point calibration.
The laboratory chest freezers are equipped with 1-point calibration for accurate temperature control. This permits compensation between the set temperature and the actual internal temperature. Positive or negative changes to the correction value can be made in steps of 0.1 K.



StopFrost System.
The StopFrost system fitted to the LGT models offers several key advantages: frosting of the freezer compartment and its contents is reduced and the time-consuming process of defrosting is necessary far less often. The vacuum is also equalised after the chest lid is opened and closed so that the laboratory chest can be re-opened effortlessly.



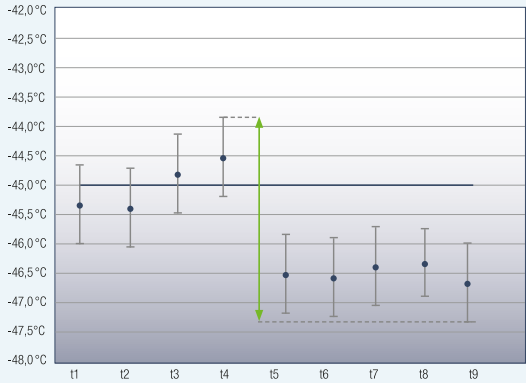
Integrated alarm systems.
Visual and audible alarm systems alert the user to undesired temperature deviations or when the door is open. All alarm parameters can be individually set. For example, the lid-open alarm delay can be adjusted between 1 and 5 minutes. Additional safety is provided by a visual power failure alarm and sensor defect alarm.



Integrated data memory.
The Comfort electronic controller is equipped with an integrated data memory which logs the maximum and minimum internal temperatures as well as the last three temperature alarms and power failures, together with the time, date and duration. These data can be read out on the display.



External temperature sensor.
The laboratory chest freezers have an access port (diameter 10 mm) on the rear which allows temperature sensor to be positioned in the interior.



Maximum temperature consistency.
The dynamic cooling system in conjunction with the precision Comfort electronic controller ensures maximum temperature stability. All laboratory chest freezers with a Comfort electronic controller are designed according to the ISO 60068-3 standard with regard to optimum temperature consistency.

Laboratory chest freezers up to -45 °C

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