

Freezing Point Determination Device made by Funke-Gerber  
1000 times tried and tested – exact – robust – reliable

# CryoStar I

- **Automatic Cryoscope**
- Single sample device
- Reference method DIN/ISO/IDF 5764
- Big Touch Screen
- New Cooling-System
- Easy to use, fast, exact and robust



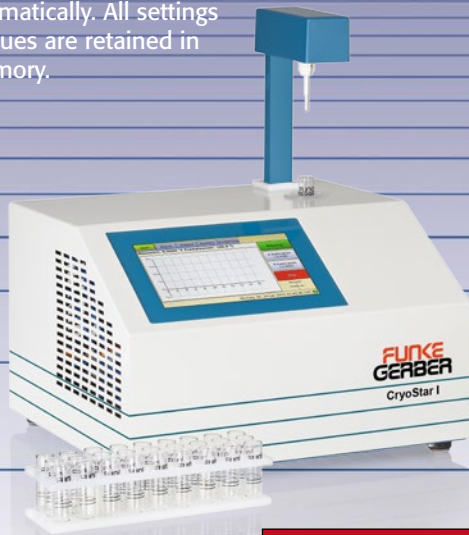
# CryoStar I

**FUNKE  
GERBER**

With the Cryostar the freezing point of milk can be measured quickly and reliably.

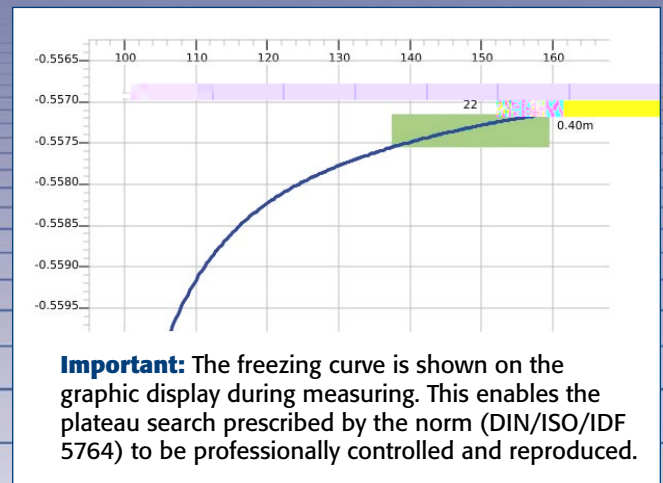
## Specifications:

- **Designed for the future, flexible:** Fixed time measurement, plateau and maximum search functions. You can freely program all relevant parameters. These will of course be recorded. And the **CryoStar** can also be set to conform with all national and international standards (including future ones).
- **Easy to use:** The operation is menu guided on the touch screen in the language of your choice. German and English are currently available.
- **Sure Performance:** The reliable cooling system ensures rapid operational readiness even in high-temperature environments (max. approx. 34°C).
- **Fast:** Depending on actual setting used, up to 40 samples can be measured per hour.
- **Versatile:** The **CryoStar** is equipped with a serial connection for standard printers and a USB port for connections to a PC. Measured values can be saved on a USB-drive for further processing.
- **Handy:** The **CryoStar** is small, light and easy to handle. The percentage of added water content is directly displayed and printed. The calibration is carried out automatically. All settings and calibration values are retained in a non-volatile memory.



## Technical Data:

<b>Supply:</b>	230V/115 V AC (50...60 Hz), 180 VA
<b>Measuring resolution:</b>	0,0001°C ( 0,1 m°C )
<b>Repeatability:</b>	± 0,0020°C ( ± 2,0 m°C )
<b>Measuring range:</b>	0,0000°C to -1,5000°C
<b>Sample volume:</b>	2,0 ml to 2,5 ml
<b>Sample rate:</b>	up to 40/h typically 30/h
<b>Interfaces:</b>	2x serial, 2x USB, Ethernet
<b>Cooling-off time:</b>	approx. 15 Min.
<b>Display:</b>	7" graphic color touch display, showing freezing curve, measurement result [°C], [% added water] date, time, measuring conditions
<b>Record Print:</b>	measurement result [°C], [% added water] date, time, measuring conditions



Ordering Data/Name	Dimensions (W x D x H)	Weight (net)	Art. No.
CryoStar I	34 x 33 x 29 cm	8,7 kg	7150

Accessories/Name	Art. No.	Accessories/Name	Art. No.	Accessories/Name	Art. No.
Thermo-record Printer	7151	Calibration Standard A (0,000°C)	7165	Calibration Standard C (-0,512°C)	7188
Replacement Thermistor	7172	Calibration Standard A (-0,408°C)	7186	Automatic-Pipette, 2 ml	7174
Sample Vials (50 units.)	7167	Calibration Standard B (-0,557°C)	7166	Pipette Tips	7175
Cooling bath fluid, 500 ml	7169	Calibration Standard B (-0,600°C)	7187	rapid freezing tube	7167-A

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