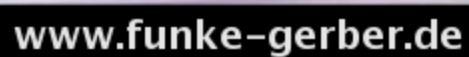


**FUNKE
GERBER**

Single sample device in accordance with reference method
DIN/ISO/IDF 5764



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 in the language of your choice. German, English, French, Greek, Italian, Polish, Spanish, Turkish and Hungarian 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 parallel connection (for standard printers) and can be connected to a PC using the serial interface. The necessary software is supplied with the device.
- **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.

Important: The freezing curve is shown on the graphic display during measuring. This enables the plateau search prescribed by the norm (DIN/ISO/IDF 5764) to be professionally controlled and reproduced.



Technical Data:

Supply:	230V/115 V AC (50...60 Hz), 180 VA
Measuring resolution:	0.0001°C (0.1 m°C)
Repeatability:	± 0.0020°C (± 2.0 m°C)
Measuring range:	0.0000°C to -1.5000°C
Sample volume:	2.0 ml to 2.5 ml
Sample rate:	up to 40/h typically 30/h
Interfaces:	1 x parallel, 1 x serial (RS232), USB
Cooling-off time:	approx. 15 Min.
Display:	graphic colour display of freezing curve, measurement result [°C], [% added water] date, time, measuring conditions
Record Print:	measurement result [°C], [% added water] date, time, measuring conditions

CryoStar^{automatic} Multi-sample machine

This device comes additionally equipped with a round magazine for 12 samples. It has a larger display. Other specifications are all identical to the CryoStar I single sample device. (see above).



Order Data:

Name	Art. No.	Dimensions (W x D x H)	Weight (net)
CryoStar I (incl. software)	7150	29 x 38 x 19 cm	12.0 Kg
CryoStar automatic (incl. printer and software)	7160	44 x 44 x 20 cm	14.6 kg

Accessories:

Name	Art. No.	Name	Art. No.	Name	Art. No.
Thermo-record Printer	7151	Calibration Standard A (0.000°C)	7165	Calibration Standard C (-0.512°C)	7188
Replacement Thermistor	7152	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		