

Низкотемпературные морозильники BMTRU

Технические характеристики

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Trust -45°C Freezer

Sample security: Sample preservation has been the key consideration in the development of our products. The Trust Freezer has been developed for the long-term storage of samples.

ULT Freezer performance: Priority has been given to fast temperature recovery without compromising the power consumption.

Intuitive and clear interface: Thanks to its eye level display, the Trust range informs you continuously about the proper functioning of the freezer and any alarms.

Ease of maintenance and diagnostics: Check the status of the freezer at a glance thanks to the 'OK' indicator.

Product Description

- 3 Freezer volumes
- 2 hours to go down from +20°C to -40°C
- 88 cm wide
- Capacity for 48000 sample tubes of 2 ml
- 100 years of know-how

A reliable solution for any laboratory

The Trust range consists of 3 volumes: 340, 515 and 690 L with a minimum footprint. This is equivalent to storage for up to 48000 cryotubes (2 mL).

Clear interface

Large 'OK' display allows you to check the the freezer is functioning properly at a glance. 7 alarm pictograms under the 'OK' button allow you to quickly and easily identify any alarm.



Active monitoring of your samples

- The TRUST range has been created for maximum security, thanks to a robust design
- Automatic reactivation of the buzzer in the event of a long alarm
- Degraded mode: in the event of a break in the temperature sensor, the freezer goes into alarm and produces cold continuously

- BoSS system (optional).

A freezer created for your laboratory

- Freezer width of 87.5 cm regardless of the volume (possibility to pass 80 cm wide doors by dismounting the door handle).
- Compartments of identical size on all volumes.
- Removable gates for quick cleaning out of the freezer.
- Removable cassette filter that can be cleaned and easily interchanged.
- Heated door seal and anti frost formation.
- Heated decompression valve for instant reopening of the door.
- Stainless steel inner bowl with rounded edges for easy cleaning.

Simplified Preventative Maintenance

- “Plug & play” modular electronics
- Removable refrigeration unit
- Froilabo after-sales service: a team of technicians specialized in low-temperature refrigeration to maintain your freezers
- 7 alarm pictograms for rapid detection of a fault generating an alarm.

Refrigerants compliant with the new F-Gas regulations

As global warming and ecology in general are at the heart of our concerns, the refrigerants used in all Froilabo freezers comply with the new F-Gas regulations (EU No. 517/2014).

Cryo-accumulator Option

Achieve optimised performance with Froilabo’s cryo-accumulator option. The cryo-accumulator ensures a delayed temperature rise in the event of power failure giving the user up to 18 hours to safeguard samples. Room temperature, volume of content within freezers and frequency of door openings can all affect temperature changes.

Technical Specifications

Reference	Description	External dimensions H x W x L (mm)
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Reference	Description	External dimensions H x W x L (mm)
BMTRU34086	Vertical Freezer -45°C 340 L	1280 x 970 x 875
BMTRU51586	Vertical Freezer -45°C 515 L	1640 x 970 x 875
BMTRU69086	Vertical Freezer -45°C 690 L	1990 x 970 x 875
BMTRU34086G	Vertical Freezer -45°C 340 L Green gas	1280 x 970 x 875
BMTRU51586G	Vertical Freezer -45°C 515 L Green gas	1640 x 970 x 875
BMTRU69086G	Vertical Freezer -45°C 690 L Green gas	1990 x 970 x 875

Software

Reference	Description
BM/ETA2	Stainless steel extra shelf (W x D: 597 x 743 mm) (23.5 x 29.3 in.)
BM/CO2T	Liquid CO2 injection backup system (autonomy 15h, flexible 3m included)
BM/CRY02E	Cryo-accumulators for BM340 (+/- 6h of additional autonomy)
BM/CRY03E	Cryo-accumulators for BM515 (+/- 6h of additional autonomy)
BM/CRY04E	Cryo-accumulators for BM690 (+/- 6h of additional autonomy)
BM/OPT19	BoSS System (factory installation)
BM/OPT20	Padlock closure (customer supplied)
BM/OPT4E	Pt 100 ohms x3 probe (-100°C to +50 °C), DIN output at the back
BM/OPT5E	Sensor with 3m cable length for field calibration outside the freezer
BM/OPT7E	Temperature recorder (battery) 0°C to 100°C with circular diagram 1rev / 7days

Reference	Description
BM/OPT13E	4 – 20 mA output
BM/OPT18E	Dry contacts NO/C/NC
BM/QIQO	Provision of a QI / QO file and realization of the on-site performance

Upgrades

Reference	Description
BM/EL2T690	2 stainless steel drawers unit
BM/EL2T690A	2 drawer aluminium unit, stainless steel body
BM/EL3T690	3 stainless steel drawers unit
BM/EL3T690A	3 drawer aluminium unit, stainless steel body
BM/EL4T690	4 stainless steel drawers unit
BM/EL4T690A	4 drawer aluminium unit, stainless steel body
BM/EL5T690	5 stainless steel drawers unit
BM/EL5T690A	5 drawer aluminium unit, stainless steel body
BM/EL6T690	6 stainless steel drawers unit
BM/EL6T690A	6 drawer aluminium unit, stainless steel body
BM/EL3E690AC	Aluminium compartmentalized side access rack, 15 compartments
BM/EL4E690AC	Aluminium compartmentalized side access rack, 20 compartments
BM/EL5E690AC	Aluminium compartmentalized side access rack, 25 compartments
BM/EL6E690AC	Aluminium compartmentalized side access rack, 30 compartments

Reference	Description
BM/ELE690	5-column stainless steel storage unit, up to 30 compartments, removable shelves
BM/TIR	Stainless steel storage drawer (142x740x330 mm)

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