

UNDERCOUNTER FREEZER -80°C

SELECTED ON THE BASIS OF EXPERIENCE

The Labselect -80°C tabletop freezer has a capacity of 100 liters. Internally, there are two interior doors and a stainless steel tray. This model is particularly suitable for personal use in the lab. Due to its convenient size, the freezer can be placed under the lab table. To be used in a clinical, medical or scientific environment. The freezers are also stackable should the need arise. The high efficiency cooling system has a consumption of only 5.5 kWh/day. Small in size but big in equipment, cooling system and stability.

FEATURES

- Energy efficient cooling system with high efficiency and hydrocarbon refrigerant gases for saving in energy consumption
- Safe and reliable with adjustable parameters such as alarm
- 70mm insulation of which 25mm VIP panels
- Optimized cooling system and design
- Ensures a very low noise level of 46.8 dB(A)
- Supplied as standard with pass-through for external sensors
- With the USB-data storage it is possible to store 15 years of data

OPTIONS

- Monitoring module for various parameters (IoT)
- Customized storage system
- CO2 en LN2 backup system



SPECIFICATIONS

Model nr.	PTSL100UFU (230V/50Hz)
Power (max)	680 W
Current	3 A
Capacity	100 L
Netto weight	108 kg
Interior dimensions (HxWxD)	630x330x481 mm
External dimensions (HxWxD)	810x770x660 mm
Shelve dimensions	316x424 mm
Isolation	70 mm (VIP 25mm)
Refrigerant	HC
Access port	YES
Potential free contact	YES
RS485 port	YES
Door Lock	YES
Inner doors	YES, 2
Battery backup	YES (Data/Alarm)
Certification	CE

FUNCTIONAL DETAILS

Standard USB port (15 years data)	
Optimized noise reduction cabinet and system design	
Lockable and equipped with the ability to add a padlock	
Pull down time of 310 minutes	
Multiple alarms:	
- High/low temperature	- Sensor error
- Condensor temp.	- Low battery
- Powerfailure	- Ambient temperature
- High/low voltage	- Door open

PERFORMANCE | At setpoint -80°C

Temperature	-40°C to -86°C
Temp. stability	0,1°C
Temp. uniformity	+/- 4°C
Energy consumption	5.5 kW/day
Sound level	46,8 dB(A)
Heat emission	782 BTU/h

WARRANTY

The term of full warranty is 12 months. Parts warranty is 36 months with the exception of compressors to which a 60-month warranty term applies.

STACKABLE

In terms of height, the freezer can be placed under most lab tables but with multiple units in the same location, they can be placed on top of each other.