




-86 °C Ultra Low Temperature Upright Freezer LUF-C10

-86 °C Ultra Low Temperature Upright Freezer LUF-C10 is an upright type freezer comes with 398 L capacity and offers temperature range -40 to -86° C and -86° C cooling performance. Features with microprocessor controlled system with interior digital temperature display to show various parameters simultaneously. Designed with direct cooling system and manual defrost mode, equipped with eco- friendly refrigerant Mixture gas, Built-in high-precision microcomputer temperature control system and platinum resistor temperature sensors. It offers high or low temperature alarm, Door open alarm and Keyboard lock, password protection function to prevent arbitrary adjustment of operating parameters.

Features :

- ❑ Designed with high-precision microcomputer temperature control system and platinum resistor temperature sensors ensure more precise temperature control
 - ❑ Temperature ranges from -40 to -86°C
 - ❑ EBM fan are powerful, energy-saving and highly efficient
 - ❑ Six sides of the cabinet are made from high-performance vacuum insulation material, improving thermal insulation performance to a large extent
 - ❑ The rotating handle facilitates door opening
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 - ❑ Universal wheels easy for movement and fixation
 - ❑ Two-layer heat insulating foamed door with airbag-typed outer seal and the insulation
 - ❑ Forced air circulation system
 - ❑ Highly effective condenser and expansive evaporator to provide quick freezing
 - ❑ Upright type, Exterior and inside body all made from stainless steel
 - ❑ Design with safety door lock, ensure sample storage is more secure
 - ❑ The perfect audible & visual alarm system high/low temperature, sensor failure, door open, and power failure etc
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Application

Upright Freezers is used in scientific research, cryogenic test on special materials, blood plasma cryopreservation, low temperature resistance test on biological materials, vaccines, biological products and military products, etc. and Suitable for use in research institutions, the electronic industry, the chemical industry, hospitals, the health & disease prevention system, laboratories in colleges & universities, military enterprises, etc.

Specifications:

| Model | LUF- C10 |
|----------------------|--|
| Cabinet type | Upright |
| Capacity | 398 L |
| Temperature range | -40 to -86°C |
| Ambient temperature | 16 to 32°C |
| Cooling performance | -86°C |
| Refrigerant | Mixture gas |
| Defrost Mode | Manual |
| Cooling method | Direct cooling |
| Controller | Microprocessor |
| Display | Touch screen |
| Climate class | N |
| Insulation thickness | 130 mm |
| Compressor | 1 pcs |
| Alarm system | High and low temperature, high ambient temperature |
| External material | High quality steel plates with spraying |
| Inner material | Galvanized steel sheet |

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| Shelves | 3 (stainless steel) |
| Door lock with key | Yes |
| External Lock | Yes |
| Access Port | 2 pcs. Ø 25 mm |
| Casters | 4 +(2 leveling feet) |
| Data Logging / Interval/ Recording Time | USB/Record every 1 minute / 365 days |
| Electrical | Power failure, Low battery |
| System | Sensor error, Main board communication error, Built-in data logger USB failure Condenser cooling failure, Door ajar, Samples out of date, System failure |
| Backup Battery | Yes |
| Rated power | 950 W |
| Input power | 980 W |
| Rated current | 5 A |
| Power consumption | 11 kWh/24h |

Optional Accessories:

| Accessories no. | Name |
|-----------------|-------------------------------|
| 1 | Chart recorder |
| 2 | CO ₂ backup system |
| 3 | Printer |
| 4 | Remote alarm contact |