

ULT400 Series Laboratory ULT Freezer -50°C to -86°C



LED

Download
Catalogue

-50°C to -86°C



LED Display / LCD Touch Screen

Microcomputer control temperature and oscillation frequency with timing functions, Built-in power-off protection can automatically resume operation after power on. (Touch screen is optional)



USB port to upload and download data



Password protected data



Optional cloud temperature control



Optional electronic lock data card

Double layer door structure

- Ultra Low Temperature Freezer
- CO2 Backup system with a module for automatic switching on in case of power failure, support emergency cooling temperature -40-70°C for 48h
- Noise level less than 50dBa
- Temperature range: -50-86°C
- Double compressor automatic cascade refrigeration system, 50% energy saving, fast cooling speed, good temperature uniformity,
- The max. time to reach the set temperature from room to 85°C is 3 hours and 35 minutes
- HC refrigerant, environmentally friendly
- LED display installed in the door at eye level, provides easy viewing and setting of parameters
- Air pressure heating balance valve ensures door always opening
- SS304 shelves and interior working chamber
- Epoxy coated exterior
- Insulation PURF 130mm
- Lockable door handle
- Connector for inserting a temperature probe and CO2

Optional accessories:

Racks, boxes, chart recorder,



Air pressure heating balance valve



Lockable door handle



CO2 Safety system for 48h 40°C to 70°C



Audio visual alarm indicate 10 type of alarms - malfunction



Gloves



Optional Chart Recorder

Model	ULT406	ULT435	ULT440	
Useful volume L	60 L	350 L	440 L	
Type	Vertical			
Chamber size W*D*H	330*453*310	490×612×1150	606*738*1310	
Temperature range	-50°C-86°C	50°C-86°C	-50°C-86°C	
Temperature accuracy	0.1°C			
Display with battery backup 48h	Microprocessor controlled LED/Touch screen display (optional)			
Audio and visual alarm	High and low temperature, sensor failure	High and low temperature, Power failure, Door ajar, Thermostat failure	High and low temperature, Sensor failure, Door ajar, Power failure, Voltage abnormal, Ambient temperature abnormal, Low voltage, Filter blocking	
Refrigeration Type	Direct refrigeration			
Refrigerant	CFC free Mixture refrigerant			
Compressor	1 set	2 set	2 set	
Power consumption kWh/24h	2.8	3	3.3	
Side access racks with front and back handle SS 304 224*142*569 mm (H*W*D external) standard configuration	Racks Side access	2 (6*2)	16 (4*4)	25 (5X5)
	Boxes 10*10 2ml vial 53*136*136mm (H*W*D)	24	288	400
	Samples 2 ml Vials	2.400	28.800	40.000
Security lock	Lockable door, cassette with a switch for the operation of the freezer and batteries			
Shelves	2	4	5	
Caster	Four casters			
Chamber inner door	2	4	5	
Temperature test port	1 - f20mm	1 - f23mm	1 - f25mm	
Power supply	AC110V/220V±10%, 50/60Hz/450W	AC110V/220V±10%, 50/60Hz/800W	AC110V/220V±10%, 50/60Hz/850W	
Standard accessories	USB Port			
GW/NW	133/120	200/175	332/302	

Please note
 If this freezer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.