Medi Guard ULT Freezer
MG-86L1008T

MEDI GUARD

Touch Screen Control.

10" LCD Touch Screen controller for ease of use. Records all alarms and displays data.

Quiet Operation.

Operates at 56.1dB(A) when compressor system is fully running. Quiet operation means less disturbance in the lab where the freezer is running.

Security System.

Excellent alarm system equipped with a number of alarm functions - see specs for full list.

-86ºC FREEZER

Medi Guard ULT Freezer MG-86L1008T

PRODUCT STRUCTURE	
Volume(L)	1008
Effective Volume(L)	980.2
Upright/Chest	upright
Internal Dimensions mm(W*D*H)	1022*696*1378
External Dimensions mm(W*D*H)	1362*1025*1994
Wooden Packaging Size mm(W*D*H)	1473*1155*2176
Net weight (kg)	387
Gross weight (kg)	496
Applicable ambient temperature (℃)	16~32
Temperature setting range (℃)	-40~-86
External door type	Foam door
External material	Cold Rolled Steel Sheet
Internal material	Stainless Steel
Number of external door	2 Foam doors/handle compression
Model of temperature controller	Microprocessor
Display screen	10''HD intelligent touch screen
Drawer Material	SUS304
Shelves/Drawers	Shelves
Number of drawers	4 shelves
Size of Shelves mm	1009*649
Thermal insulation materials	VIP+ polyurethane foam
Thickness of insulation layer (mm)	door 100/side 130/back 120
Cooling mode	Direct cooling
Defrosting mode	Manual defrosting
Type of sensors	PT1000/NTC
Number of sensors	1 + 2
Number of compressors	2
Refrigerant type/grams	High Stage:R2900,150g/Low Stage:R170,125g
COMPONENTS	
Door lock	Y
Number of casters/brakes	4/2
Number of balancing feet	2
Number/inner diameter of access port	3/25mm
Data logging/Interval/Recording Time	USB/Record every 5 minutes/10years
RS485 interface	Y
Remote alarm contact	Y
High/low temperature alarm	Y
Power failure alarm	Y
Sensor fault alarm	Y
Low battery alarm	Y
Communication failure alarm	Y
Door ajar alarm	Y
PERFORMANCE	
Noise dB(A)	56.1
Load capacity of shelf (kg)	67
Temperature uniformity (℃)	1.9
Temperature fluctuation (℃)	1.6
Temperature display accuracy	0.1
Power supply (V/Hz)	220-230V, 50Hz/60Hz
Rated power (W)	850
Power consumption (kWh/24h)/(25℃ ambient temperature)	10.9
Cooling rate/(min)(25℃ ambient temperature)	424
Heating rate/min (25℃ ambient temperature) (time to return to -50℃)	261(air)
Rated current (A)	7.44
Controller backup battery	Y/8 hours
Recovery time after 1 minute of door opening(recover to set temperature)	99