

DW-HL100





Precise Temperature Control and Safe Storage

Microprocessor-based temperature controller, -40°C~-86°C can be set freely with display accuracy at 0.1°C.

Nisual & Audio Alarm system

High/low temperature alarm, power failure alarm, low battery alarm, door ajar alarm, high ambient temperature alarm, communication failure alarm etc.

& Human-oriented

The rotating handle facilitates door opening;

The two-door design including the inner door and the outer door can lock cool air inside the cabinet and ensure thermal insulation for along period.

@ Energy-saving & Environmentally Friendly

Awarded with China Certificate for Energy Conservation Product, certificate numbers: CQC18702198375; Awarded with China Certificate for Ecolabelling Products, certificate numbers: CQC18702198376.



High-precision Temperature Control

- Digital temperature display, simultaneously display the chamber temperature, power supply voltage, ambient temperature and other parameters etc. The running status is clearly displayed;
- The high-precision microcomputer temperature control system and platinum resistor temperature sensors enable users to set temperature inside the cabinet within a range from -40°C to -86°C.



Refrigeration System

- The imported high-efficiency compressor and EBM fan are energy-saving and highly efficient;
- The large finned condenser with a space between fins ≤2mm, providing effective heat dissipation;
 Standard with VIP board for high efficiency
- Standard with VIP board for high efficiency cooling performance. Door with hot gas pipe surrounding for defrost.



Supplies for Cryopreservation

Freezer racks/boxes for cryopreservation are optional.





Thermal Insulation System

- · The insulated foamed outer door with seal design prevents loss of cooling capacity effectively;
- The six sides of the cabinet are made from high performance vacuum insulation material, greatly improving thermal insulation performance.



Security System

- ·The perfect audible &visual alarm system: high/low temperature, sensor failure, door ajar, power failure, low battery etc;
- The turn-on delay and stopping interval protection can ensure reliable operation;
- •The keyboard lock and password protection can prevent any adjustment of operation without permission.



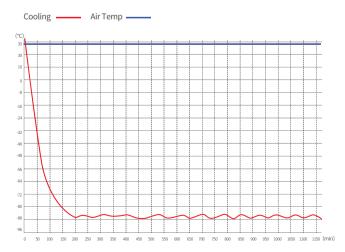
Human-oriented

- \cdot The door with new-type assisting door handle to be opened easily;
- · Door handle with lock for safety operation.
- 304 Stainless steel interior, low temperature resistance anti-corrosion for long service life andeasy cleaning;
- $\cdot \mbox{Universal wheels easy for movement and fixation}.$

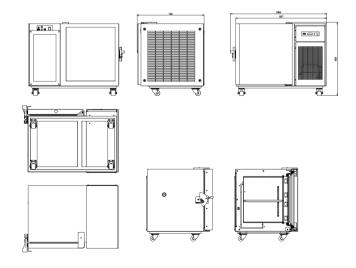
Scope of Application

Suitable for use in blood banks, hospitals, health and disease prevention systems, research institutions, colleges & universities, the electronic industry, biological engineering, laboratories in colleges & universities, military enterprises, deep-sea fishing companies, etc.

Performance Data / Cooling Curve



External Dimension



-86°C Ultra-low Temperature Freeze	r
Model	DW-HL100
Cabinet Type	Upright
Capacity(L)	100
Internal Size(W*D*H)mm	450*439*514
External Size(W*D*H)mm	1074*751*820
Package Size(W*D*H)mm	1230*833*991
NW/GW(Kgs)	131/175(wood packing)
Performance	
Temperature Range	-40∼-86°C
Ambient Temperature	16-32°C
Cooling Performance	-86 °C
Climate Class	N
Controller	Microprocessor
Display	Digital display
Refrigeration	
Compressor	1pc
Cooling Method	Direct cooling
Defrost Mode	Manual
Refrigerant	Mixture gas
Insulation Thickness(mm)	L: 90, R: 115
Construction	
External Material	Cold rolled steel sheet
Inner Material	Stainless steel
Shelves	1(stainless steel)
Door Lock with Key	Vee
· ·	Yes
Padlock	Yes
Padlock Access Port Casters	Yes
Padlock Access Port	Yes 1pc. Ø 25 mm
Padlock Access Port Casters	Yes 1pc. Ø 25 mm 4
Padlock Access Port Casters Data Logging/Interval/Recording Time	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm Temperature	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes High/Low temperature, High ambient temperature, Condenser overheating
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm Temperature	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes High/Low temperature, High ambient temperature, Condenser overheating
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm Temperature Electrical	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes High/Low temperature, High ambient temperature, Condenser overheating Power failure, Low battery Sensor failure, Door ajar, Built-in USB datalogger failure, Communication
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm Temperature Electrical System	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes High/Low temperature, High ambient temperature, Condenser overheating Power failure, Low battery Sensor failure, Door ajar, Built-in USB datalogger failure, Communication
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm Temperature Electrical System Electrical	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes High/Low temperature, High ambient temperature, Condenser overheating Power failure, Low battery Sensor failure, Door ajar, Built-in USB datalogger failure, Communication error
Padlock Access Port Casters Data Logging/Interval/Recording Time Backup Battery Alarm Temperature Electrical System Electrical Power Supply(V/HZ)	Yes 1pc. Ø 25 mm 4 USB/Record every 10 minutes / 2 years Yes High/Low temperature, High ambient temperature, Condenser overheating Power failure, Low battery Sensor failure, Door ajar, Built-in USB datalogger failure, Communication error

 $^{{}^\}star \text{The model, parameters and performance specified in this brochure may be changed without prior notice because of product upgrading.}$



^{*}There may be differences between the product, images shown in this brochure and the actual products. When you are buying any product, please check the actual product.