



MHW-25-S-16CH Constant Temperature Chamber

(With Integrated Battery Testing System)

Technical Agreement

Neware Technology Limited

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Product Name:

Desktop Constant Temperature Chamber
(With Integrated Battery Testing System)



P.S. Image is for reference purpose only.

Model Code	MHW-25-S-16CH
Application	Constant temperature test of coin cells.
Prohibitions	Testing or storage of : - flammable, explosive and volatile material samples; - corrosive substances; - strong electromagnetic emission source; - radioactive material samples; - highly toxic substances; - samples that may produce the above substances or objects during testing or storage.
Dimensions	
Nominal Volume	25L
Inner Dimension	W360 mm×D300 mm×H235 mm
Outer Dimension	W440 mm×D580 mm×H410 mm
Net Weight	Around 45kg
Performance	
Testing Environment	Room Temperature above 25℃ Relative humidity≤85%
Temperate Range	15~60℃
Fluctuation	≤1℃ (No load, or during stable temperature)
Deviation	±2.0℃ (No load, or during stable temperature)
Heating Time	25℃→60℃ ≤40 min (No load, average non-linearity)
Cooling Time	25℃→15℃ ≤60 min (No load, average non-linearity)

Structure		
Insulation Envelope	Outer wall material: High quality cold rolled steel plate with surface spray paints. Inner wall material: Stainless Steel SUS304 Insulation material: Polyurethane foam	
Air-conditioning Channel	Axial Fan, Semiconductor cooling/heating module	
Standard Configuration	Door: insulated tempered glass + Frames Cell Connection Plate: 2pcs Illumination: LED	
Control Panel	Control buttons	
Air Conditioning Unit	Semiconductor cooling/heating module	
Electrical Control System		
Controller	LED digital display + button controller	
Setting Method	Button controller	
Control Method	Forced circulation ventilation. The system controls the output of the semiconductor refrigeration/heating module through the PID results, in order to achieve a dynamic balance.	
Communication	Ethernet	
Power Cable		
Cables	Single phase + protective ground wire	
Conditions of Use		
Installation Site	Good ventilation; No strong vibration around the device; No strong electromagnetic fields around the device; No flammable/explosive/corrosive substances & dust around the device.	
Environmental Conditions	Temperature: 25°C±3°C; Relative humidity: ≤85%; Atmospheric pressure: 86kPa~106kPa	
Power Supply Condition	Input: AC(220±10%)V /50Hz Max. current: 1A	Input: AC(110±10%)V /60Hz Max. Current: 2A
Precautions	Opening the door while testing will cause temperature fluctuations.	