

Constant Temperature Chamber																
1. Product model		1HW-200														
number		100-200														
		Model		MHW	-	200	-	4T	S	-	5V10mA	-	220V	-	В	
											160CH					
		Characteristic		1		2		3	4		5		6		7	
		Symbol meaning	1		Constant temperature test box series											
			2		Nominal volume: 200L (other digital analogy)											
Model naming method			3	4T: 4 te	4T: 4 temperature zones (not indicated by the single temperature zone							ne)				
			4	Refrigeration mode: S represents the semiconductor refrigeration												
				(temperature range: 15°C -60°C)												
				Compressor refrigeration does not indicate (temperature range: 0°C												
				-60°C)							,					
			5	5V10mA 160CH: Power supply equipment specifications and number of								r of				
				channels, but not omitted by default												
			6									d,				
				other voltages by analogy)												
			7	B: Product iteration update version number, then A, B, C, Default A does not indicate												
		Constant			• •										1	
	 Constant temperature test of new energy soft package polymer cell and buckle cell Electronic electrical instrument materials comiconductor and other production 															
	• Electronic, electrical, instrument, materials, semiconductor and other production															
2. Product application	 enterprises to non-flammable, non-explosive items for constant temperature test Environmental protection, agricultural and livestock, aquatic scientific research 															
	institutions and production of water analysis, bacteria, mold, microbial culture,															
	preservation, plant cultivation, breeding test of constant temperature test															
	This test equipment is prohibited by:															
3. Limit the sample				•			amn	nable	exn	losi	ve and volatile sul	hsta	ances			
	 Test or storage of samples of inflammable, explosive and volatile substances Test or storage of test samples of corrosive substances 															
	 Test or storage of samples of strong electromagnetic emission sources 															
	 Test and storage of test samples of radioactive substances 															
	 Test and storage of test samples of highly toxic substances 															
	 Testing or storage of tests or specimens that may produce such substances or objects 										cts					
4. Volume and size	1															

4.1 Nominal content 200L product 200L 4.2 Inner box size W500 mm × D 00 mm × H800 mm



4.3 Overall dimensions	W600 mm × D720 mm × H1500 mm					
4.4 Net weight of the equipment	About 160kg					
5. Performance						
5.1 Test the environmental conditions	Ambient temperature is + 25° C, relative humidity is 85%, with no sample in the test box (no load)					
5.2 Temperature range	0∼60°C					
5.3 Temperature fluctuation degree	\leq 1°C (equivalent to ± 0.5°C, with no load and stable temperature)					
5.4 Temperature deviation	± 2.0°C (when no load and temperature is stable)					
5.5 Heat-up time	25°C~60°C \leq 30 min (no load, average nonlinearity)					
5.6 Cooling down time	25°C~0°C ≤50 min (no load, average nonlinear)					
6. Structural characterist	ics					
6.1 Thermal insulation and envelope structure	Outer wall material: high quality cold-rolled steel plate, surface spray plastic and paint treatment Inner wall material: stainless steel plate SUS304 Box insulation material: polyurethane foam (insulation thickness of 50mm)					
6.2 Air conditioning channel	Axial flow fan, heater, and evaporator					
6.3 Standard configuration of the test box	Box door: air anti-fog toughened glass + frame Lead hole (with soft glue plug): ϕ 80mm / 4 Caster: 4 pcs (with brakes) Cell tray: electric insulation, cell tray 4 layers, load-bearing (all cloth): 10kg / layer Lighting: LED lighting lamp					
6.4 The Control Panel	Touch-type control button					
6.5 Heater	Stainless steel, a heating pipe Heater control mode: no contact and other periodic pulse widening, SSR (solid state relay)					
7. Refrigeration system	·					

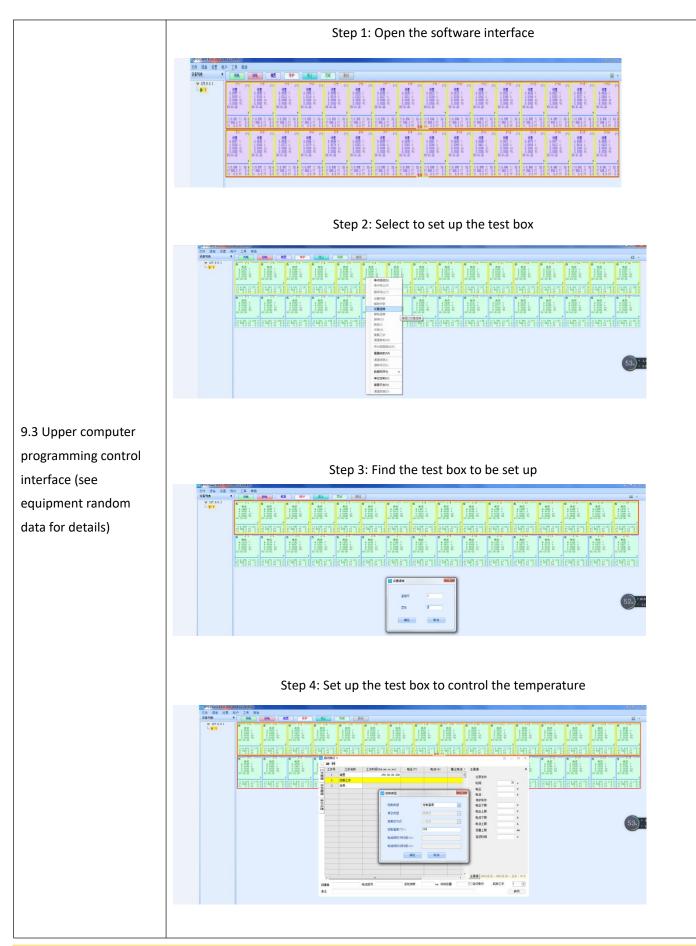


SPECIFICATIONS

7.1 Refrigeration compressor	Fully enclosed piston compressor						
7.2 Cooling mode	Air-cooled						
7.3 The throttle device	Capillary						
7.4he refrigerant	R134a						
7.5 Welding process	Nitrogen-charge protective welding						
8. Electrical control system	m						
8.1 controller	LED digital display + touch key type controller						
8.2 Setting mode	Touch key type						
8.3 Control mode	Forced circulating ventilation and balancing temperature regulation method. The control system controls the output of the heater through the PID automatic operation output result according to the set temperature value, so as to achieve a dynamic balance						
8.4 Communication mode	The Ethernet standard interface						
8.5 Temperature control module	Independent research and development (high and low temperature shock, vibration and						
	EMC) he battery cell testing equipment						
9.1 Hardware connection of the equipment	BTS upper computer, cell testing equipment and test box pass Channel line, and data communication line to achieve hardware interconnection						
9.2 Schematic diagram of the network	MB注户常量活法 設備推算端 WFI WFI WFI WFI TOP/IP TOP/IP						

SPECIFICATIONS







	Step 5: Set the working step control conditions							
10. Safety protection dev	rice							
Test box	Leakage protection, short-circuit protection, etc							
11. Other configurations								
	(Single-phase + protected ground wire) 1 cable (the specific specifications are selected							
11.1 Power supply cable	according to the contract requirements)							
11.2 Main power supply	Single-phase + protective ground line							
leakage circuit breaker								
12. Transportation test b	box is integral, overall transportation							
size	Maximum shipping size (excluding packaging): "See 4.3 Outline dimensions"							
13. The following condition	ions are guaranteed by the user (the user is responsible for the installation of the powe							
supply line of the equipm	nent)							
	 Ground level and flatness of 5mm / 2m 							
	well-ventilated							
	No strong vibration around the equipment							
13.1 Installation site	• There is no strong electromagnetic field influence around the equipment							
	• There is no flammable, explosive, corrosive substances and dust around the							
	equipment							
	• There is appropriate use and maintenance space around the equipment. There should be room for the opening door of the equipment, and no other objects in front of the							
	equipment door							
13.2 The Environmental	Temperature: 5°C ~35°C; relative humidity: 85%; air pressure: 86 kPa ~ 106 kPa							
conditions	iemperature. 5 C - 55 C, relative numuity: 85%; air pressure: 86 kPa = 106 kPa							





	1						
13.3 Power supply	• AC (220 ± 22) V (50 ± 0.5) Hz single-phase + protected	ground wire					
conditions	• The protective ground ground resistance is less than 4 Ω						
Source	• The user is required to configure an air or power switch for the equipment at the installation site, and the switch must be independent for the equipment						
Power capacity	• 2k W						
maximum current	• 10A						
	Opening the door of the test box will cause the tempera						
13.4 Other	opening the door several times or opening the door for a long time or the test sample						
	emits wet steam, the heat exchanger of the refrigeration system may cause frost or freeze						
	and fail to work normally						
14. Cell specifications an	d placement method						
14.1 Cell specifications	Buckle-type cell or soft-pack cell						
14.2 Cell placement	Four lowers are placed (up to 10 buckle cells can be placed in each lower)						
mode	Four layers are placed (up to 40 buckle cells can be placed in each layer)						
14.3 Cell tray form and							
cell fixing mode (cell							
tray can be customized							
as needed)							
Cell tray using electric,							
insulated electric wood	purpose-made Gei	neral tray					
quality	pallet						
15. Simulation diagram d	during stable temperature operation in the test box (schema	atic diagram only)					
No-load run	5.20+401 5.07+401 4.38+401 4.38+401 4.66e+01 4.53e+01 4.38+401 4.28e+01 3.99e+01 3.99e+01 3.68e+01 3.58e+01 3.58e+01 3.58e+01 3.58e+01 3.45e+01 3.45e+01 3.45e+01 2.77e+01 2.77e+01 2.77e+01						