

MHW-100-2-160 CH Dual Temperature Temperature Test Box all-in-one

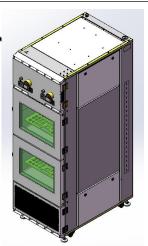
Technical specifications

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1, product name: double temperature area constant temperature test box



Note: The pictures are for reference only, subject to the material objects

1.1 Product model number	MHW-100-2-160CH													
	model		MHW	-	100	-	2	S	-	160CH	-	220V	-	В
	characteri		1)		2		3	4		(5)		6		7
	stic													
		1	Constant temperature test box series											
		2	Nominal content product of single-temperature zone box: 100L											
	mea		(other digital analogy)											
	ning	ning 3 2:2 temperature zone box type (1 temperature zone does i										not		
			indicate, other numbers by analogy)											
1.2 Model naming method			Refrigerat	ion	mode:	S re	eprese	ents	the	semicono	duct	or refrig	gera	tion
metriou		4	(temperature range: 15 $^{\circ}$ C -60 $^{\circ}$ C)											
		4	Compressor refrigeration is not indicated (temperature range: 0°C											
			-60°C)											
		(5)	160 CH: 160 channel (other digital analogy)											
		6	220V: Equipment voltage 220V (default 220V omitted not											
			indicated, other voltages by analogy)											
		7	B: Product iteration update version number, then A, B, C,											
			Default A does not indicate											
	Consta	nt tei	mperature	tes	t of th	ne k	ouckl	e-ty	pe (cell				
	Electronic, electrical, instrument, materials, semiconductor						ctor ar	and other						
2. Product	produ	ction	enterpris	es	to n	on-	flamı	nab	le,	non-ex	plos	ive it	ems	for
application	constant temperature test Environmental protection, agricultural and livestock, aquatic scientific													
							ntific							
	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: Test or storage of samples of inflammable, explosive and substances Test or storage of test samples of corrosive substances Test or storage of samples of strong electromagnetic emission Test and storage of test samples of radioactive substances Test and storage of test samples of highly toxic substances Testing or storage of specimens of the such substances or ob may be produced during testing or storage				
4. Volume, size and we	eight			
4.1 Nominal content product	200L (100L)			
4.2 Inner box size	W 500 mm D 500 mm H 400 mm (single-temperature zone)			
4.3 Overall dimensions	W 600 mm×D 920 mm×H1920 mm			
4.4 Net weight of the equipment	About 260kg			
5. Performance				
5.1 Test the environmental conditions	Ambient temperature is + 25 $^{\circ}$ C, relative humidity is 85%, with no sample in the test box (no load)			
5.2 Temperature range	0~60℃			
5.3 Temperature fluctuation degree	$1^{\circ}\!$			
5.4 Temperature deviation	\pm 2.0 $^{\circ}$ C (when no load and temperature is stable)			
5.5 Heat-up time	25 $^{\circ}$ C 60 $^{\circ}$ C 30 min (no-load, average nonlinearity)			

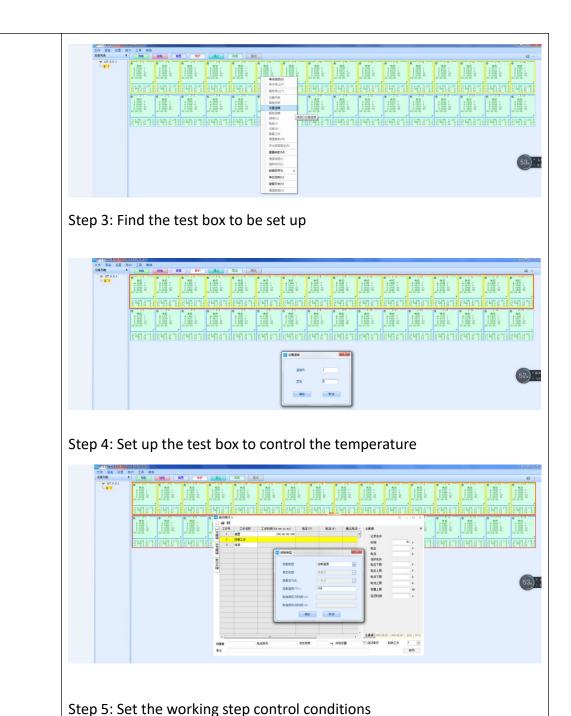


5.6 Cooling down time	$25^{\circ}\!$					
6. Structural characteristics						
6.1 Thermal insulation and envelope structure	Outer wall material: high quality cold-rolled steel plate, surface plastic spraying and paint treatment Inner wall material: stainless steel plate SUS304 Box insulation material: polyurethane foam (insulation thickness of 50mm)					
6.2 Air conditioning channel	Axial flow fan, heater, and evaporator					
6.3 Standard configuration of test box (single temperature zone)	Observation window: multi-layer insulating electric heating film heating anti-fog observation window (located on the door) Lead hole (with soft glue plug): Φ 50mm / 2 (located at the back of the box) Caster: 4 pcs (with brakes) Cell tray: electric insulation, cell tray 2 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	1					
7.1 Refrigeration compressor	Fully enclosed piston compressor					
7.2 Cooling mode	air-cooled					
7.3 The throttle device	capillary					
7.4, the refrigerant	R134a					



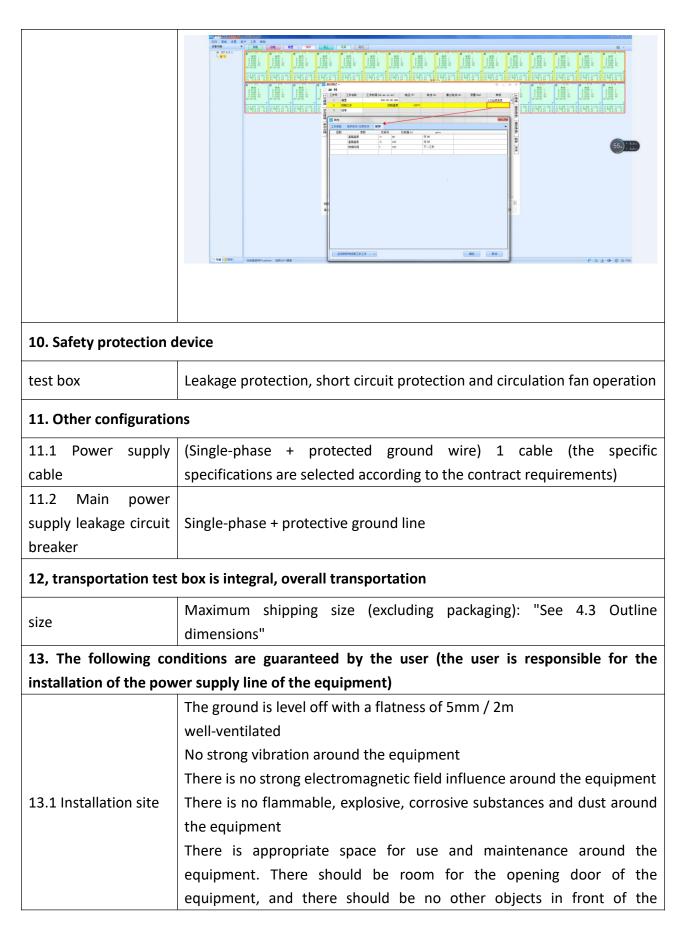
7.5 Welding process	Nitrogen-filled protective welding			
8. Electrical control sys	stem			
8.1 controller	LED digital display + touch key type controller			
8.2 Setting mode	Touch key type			
8.3 Control mode	Forced circulating ventilation and balancing temperature regulation method. The control system controls the output of the heater through the PID automatic operation output result according to the stemperature 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)			
9. Cell testing equipme	ent and test interconnection			
9.1 Testing equipment	Up to 20 units total 160 CH (mA equipment)			
9.2, the median machine	Up to 2			
9.3 The Network Switch	One			
	Step 1: Open the software interface			
9.4 Upper computer programming control interface (see equipment random data for details)	Step 2: Select to set up the test box			





step 3. Set the working step control conditions







	equipment door			
13.2 The Environmental conditions	Temperature: 5° ~35 °C; relative humidity: 85%; air pressure: 86 kl 106 kPa			
13.3 Power supply conditions	AC (220 \pm 22) V (50 \pm 0.5) Hz single-phase + protected ground wire The protective ground ground resistance is less than 4 $^{\Omega}$ The user is required to configure an air or power switch for the equipment at the installation site, and the switch must be independent			
Power capacity maximum current	for the equipment 3k W 16A			
13.4 Other	Opening the door of the test box will cause the temperature fluctuation in the box; If opening the door several times or opening the door follong time or the test sample emits wet steam, the heat exchanger of the refrigeration system may cause frost or freeze and fail to work normall			
14. Specification and p	lacement mode of the battery cell (single temperature zone)			
.114 cell specifications	Button cell			
.2 14 cell, placement mode	Second floor placement (up to 40 buckle cells can be placed on earlayer)			
.3 14. Cell tray form and cell fixing mode (cell tray can be customized as needed)				
Cell tray using electric, insulated				
electric wood quality	pour: Pictures are for reference only, subject to the			
15. Simulation diagram only)	during stable temperature operation in the test box (schematic diagram			



