

1. Product name: All-in-One Testing System

Pour:

1. The proof function only refers to preventing the explosion of the test sample in the test space of the test

box, Other parts of the equipment do not have the explosion-proof function

2. The photos are for reference only, subject to the physical object

1. Material code	WGDW-380L-2-40 BFC-5V600A8CH																	
	Model		WGDW	-	380L	-	2	-	40	Н	W	В	F	С	-	380V	-	В
	Characteris	Characteristic			(2)		(3)		(4)	(5)	(6)	(7)	(8)	(9)		(10)		ad
		(1)	High and low temperature box series															
		(2)	Nominal content product of single-layer box: 380L (other digital analogy) 2:2 layer box type (1 layer does not represent, other digital analogy)															
		(3)																
		(4) Minimum achievable temperature: 0:0°C, 20: -20°C, 40: -40°C, 70: -70°C																
	Symbol meaning	(5)	Whether with damp heat function: H: damp heat type (dry hot type, withou															
Model naming			humidification function)															
method		(6)	(6) Cooling mode of refrigeration unit: W: water cooled; A: air cooling (not omitted)															
method		(7)	B: Burproof (no burst function)															
		(8)	F: Automatic fire extinguishing function (no fire extinguishing function)															
		(9)	C: Stacked refrigeration system (single compressor system, only for- 40°															
		(3)	equipment)															
		(10)	380V: Equipment voltage 380V (default 380V omitted not indicated, other voltage															
			by analogy)															
		a.	B: Produ	ıct	iteration	up	date	ver	sion 1	numb	er, t	hen	A, E	8, C	., D	efault A	doe	es no
			indicate															



2. Product application	Suitable for aviation, automotive, scientific research and other fields of electrical, electronics and other products, parts and materials in high and low temperature environment storage, transportation, use of the adaptability test, is the new energy field production enterprises, scientific research institutes for the reliability of the cell performance test equipment
3. Limit the sample	 This test equipment is prohibited by: Test or storage of samples of inflammable, explosive and volatile substances; Test or storage of test samples of corrosive substances; Testing or storage of biological samples; 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;
4. Volume, size, a	and weight
4.1 Nominal	

4.1 Nominal 380L×2 content product 4.2 Size of the W1000mm×D500mm×H750mm inner box (single layer) 4.3 Overall W 1600 mm D 1800 mm H 2050 mm (excluding, raised, local increase in equipment dimensions width size) 4.4 Net weight of About 900kg the equipment 5. Performance Ambient temperature is +25°C, relative humidity is 85%, with no sample in the test 5.1 Test the





environmental	box (no load)
conditions	
5.2 Test method	GB / T 5170.2-2017 temperature test equipment
5.3 Temperature	-40°C~150°C
range	
5.4 Temperature	
fluctuation	\leq 1°C (equivalent to ± 0.5°C, with no load and stable temperature)
degree	
5.5 Temperature	
deviation	±2.0°C (when no load and temperature is stable)
5.6 Heat-up time	+20°C~+150°C ≤60min (no load, average nonlinearity)
5.7 Cooling time	+20°C~-40°C ≤60min (no load, average nonlinear)
5.8 Thermal load	450W
(single layer)	(due to heating on the cell)
	GB / T 2423.1-2008 CryTemperature Test Method Ab;
5.9 Meet the test	GB / T 2423.2-2008 High Temperature Test Method Bb;
method	GJB 150.3A-2009 High-temperature test;
	GJB 150.4A-2009 Low-temperature test;
	GB / T 10592-2008, technical conditions of high and low temperature test box;
6. Structural chara	acteristics
	Outer wall material: high quality cold-tempered steel plate, surface spray plastic and
6.1 Thermal	paint treatment;
insulation and	Inner wall material: stainless steel plate SUS304;
envelope	Box insulation material: rigid polyurethane foam + glass wool (insulation thickness:
structure	100mm);
	Door thermal insulation material: glass wool;



6.2 Air							
conditioning	Centrifugal fan, heater, evaporator (and dehumidifier), etc						
channel							
	Lead hole (single layer box): φ100mm / 1						
	(With stopplug at the back of the box)						
	Casters: 4 (with adjusting feet)						
	Observation window (single-layer box): multi-layer hollow electric heating film						
6.3 Standard	heating anti-fog observation window (located on the door)						
configuration of	The visual range is about: 330×450 mm (W×H), with electric						
the test box	heating fog removal inside the glass, which can provide the best						
	observation line of sight;						
	Lighting lamp (single-layer box): 1						
	Cell pallet (single layer box): 1 layer of stainless steel cell tray, load-bearing (all						
	cloth): 40kg / layer						
	Single open hinged door (left hinge, right handle), with observation window, lighting,						
6.4 Door	Window frame / door frame anti-condensation electric heating device, double-layer						
	silicone rubber sealing strip						
6.5 The Control	Controller display screen, overtemperature protection setting device, etc						
Panel							
6.6 Refrigeration	Refrigeration unit, water connection plate, drainage hole, condensing fan, etc						
unit room							
	• Total power supply leakage circuit breaker, distribution board, exhaust fan,						
6.7 Power	Ethernet physical interface 1						
distribution	• Temperature and humidity controller, AC contactor, circuit breaker, thermal						
control cabinet	relay						
	• Temperature-limiting protector, solid-state relay and transformer, etc						

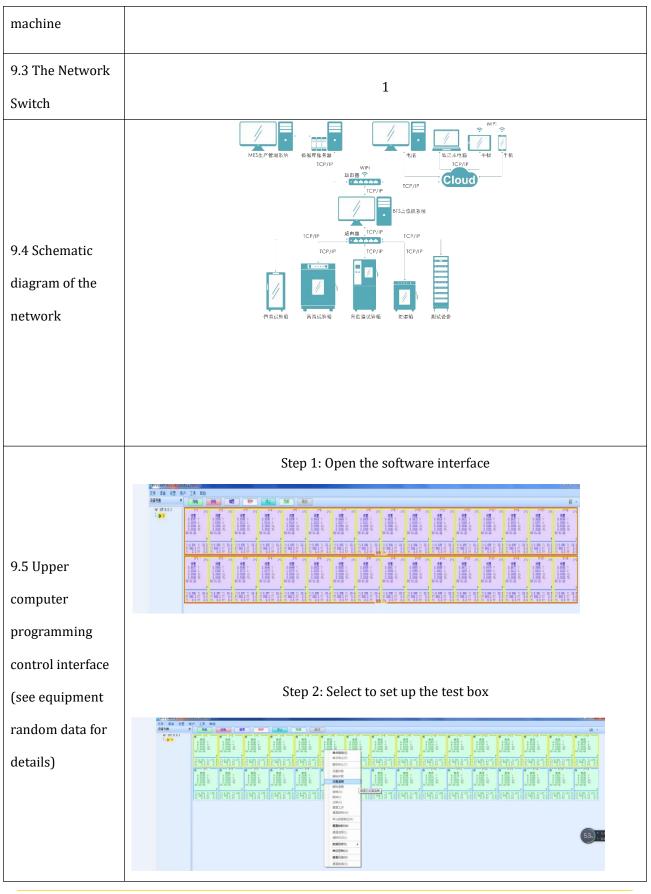


	Nickel-chromium alloy electric heating wire type heater					
6.8 Heater	Heater control mode: no contact and other periodic pulse widening, SSR (solid state					
	relay)					
6.9 Power cord						
hole and	Located on the back of the box					
osculum						
6.10	Located on the left side of the box, open automatically when the test space pressure					
Explosion-proof	exceeds the set pressure					
pressure relief						
outlet						
7. Refrigeration s	ystem					
7.1 Working						
mode	Mechanical compression refolding refrigeration mode					
7.2 Refrigeration compressor	France imported "Taikang" fully enclosed compressor or Emerson Valley wheel compressor					
7.3 Main						
refrigeration	Expansion valve, pressure controller, dry filter,					
components	Refrigeration solenoid valve, liquid reservoir, oil separator, etc					
7.4 Evaporator	Fned tube heat exchanger (also dehumidifier)					
7.5 Condenser	Air-cooled type: fin-tube type heat exchanger					
7.6 The throttle						
device	Expansion valve / Capillary tube					
7.7 Control mode	The control system automatically adjusts the operating condition of the refrigeration					
of the	unit according to the test conditions					



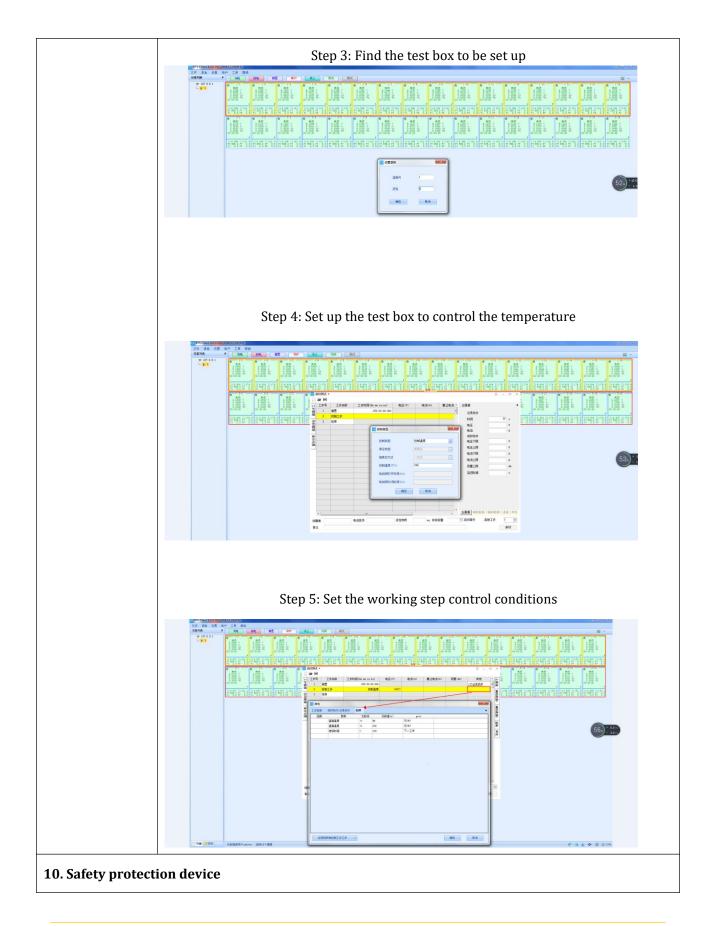
refrigerator	Compressor return cooling circuit				
7.8 Refrigerant	R404A (ozone depletion index is 0) / R23				
7.9 Welding	Nitrogon filling protection wolding				
process	Nitrogen filling protection welding				
8. Control system					
8.1 Controller	Professional temperature controller				
model number					
8.2 Display	Hd color LCD touchscreen				
8.3 Operation	Drogrom mode fixed value mode				
mode	Program mode, fixed value mode				
8.4 Setting mode	Color touch, human-computer interaction, Chinese / English interface				
0 Control mode	Anti-integral saturation PID				
8.5 Control mode	BTC balance temperature regulation control mode				
8.6 Temperature					
measurement	Class A armored PT100 sensor				
method					
8.7 Display	Temperature: 0.01°C; Time: 1min				
accuracy	Temperature. 0.01 C, Time. Timit				
8.8	Independent overtemperature protector will protect the shutdown and send an				
Overtemperature	alarm signal when the studio temperature exceeds the temperature set by this				
protection	protection device				
9. Cell testing equipment and test interconnection					
9.1 Testing	EVADAOCU				
equipment	5V600A8CH				
9.2 The median	1				





www.neware-usa.com







10.1 Refrigeration system	Compressor overheating, compressor overload, compressor overpressure, condensing fan overheating				
10.2 Test box	Adjustable overtemperature protection, abnormal protection of the circulation fan in the box				
10.3 Smoke prevention alarm	Equipped with a smoke alarm, when the induction of smoke will automatically alarm				
10.4 Smoke	When the smoke alarm detects that the smoke concentration exceeds the standard,				
exhaust device	then start the smoke exhaust fan				
10.5 Fire extinguishing device	The fire extinguishing device for each equipment is one empty 8L carbon dioxide bottle, Manual or automatic fire extinguishing function can be installed on the side of the equipment Note: Due to the limitation of logistics and transportation, the carbon dioxide fire extinguishing agent should be filled by a local professional gas company				
10.6 Other	Phase sequence and phase protection of total power supply, leakage protection, overload and short circuit protection, power recovery protection				
11. Other configu	rations				
11.1 Power supply cable	1 five-core (three-phase four-wire + protective ground wire) cable (specific specifications are selected according to the contract requirements)				
11.2 Main power supply leakage circuit breaker	Three-phase and four-wire + protective ground wire				
11.3 Data	Provide Chinese user manual and Chinese technical materials				
12. Transportation test box is integral, overall transportation					
12.1 Dimensions	Maximum shipping size (excluding packaging): "See 4.3 Outline dimensions"				



12.2 Weight	Maximum shipping weight (excluding packaging): "See 4.4 Weight"						
13. The followin	g conditions are guaranteed by the user (the user is responsible for the						
installation of the power supply line of the equipment)							
13.1 Installation site	The ground is flat and complies with GB50209-2002 specification: flatness 5mm / 2m Well-ventilated No strong vibration around the equipment There is no strong electromagnetic field influence around the equipment There is no flammable, explosive, corrosive substances dust around the equipment Appropriate use and maintenance space is left around the equipment, as shown in the figure: A: not less than 100 cm; B: not less than 60cm						
	C: No less than 70cm; D: not less than 50cm						
13.2 The Environmental conditions	Temperature: 5°C~35°C; Relative humidity: 85%; Air pressure: 86kPa~106kPa						
13.3 Power supply conditions	• AC (380 ± 38) V (50 ± 0.5) Hz three-phase five-wire system						
Source	 The protective ground ground resistance is less than 4Ω The user is required to configure an air or power switch for the equipment at 						
Distribution power maximum	 the installation site, and the switch must be independent for the equipment (Temperature box 7kW + test equipment 18kW) 250A×2 						



Opening the door of the test box during the test will cause temperature fluctuation in the box during the test; if the door is opened or open the door for many times or if the test sample emits wet steam, the heat exchanger of the refrigeration system may freeze and fail to work normally						
14. Cell specification and placement method (single-layer box)						
Square cell 5V600A	4CH (see the figure below)					
One floor placed						
	 Pour: 1. The cell fixture is fixed on a stainless steel tray; 2. The channel line and the fixture probe contact well, try to avoid the heating influence caused by the contact resistance; 3. Pictures are for reference only, subject to the physical object. 					





adjustable Cell pallet high compatibility design, can meet the different sizes and specifications of the cell test use	正式 大訪招托盘
15. Simulation di	agram during stable temperature operation in the test box (schematic diagram
only)	
No-load run	1.200401 4.30401 4.30401 4.30401 4.30401 4.30401 4.30401 3.40401 2.50401