



技术服务专线

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TEL: 86-0769-89055588

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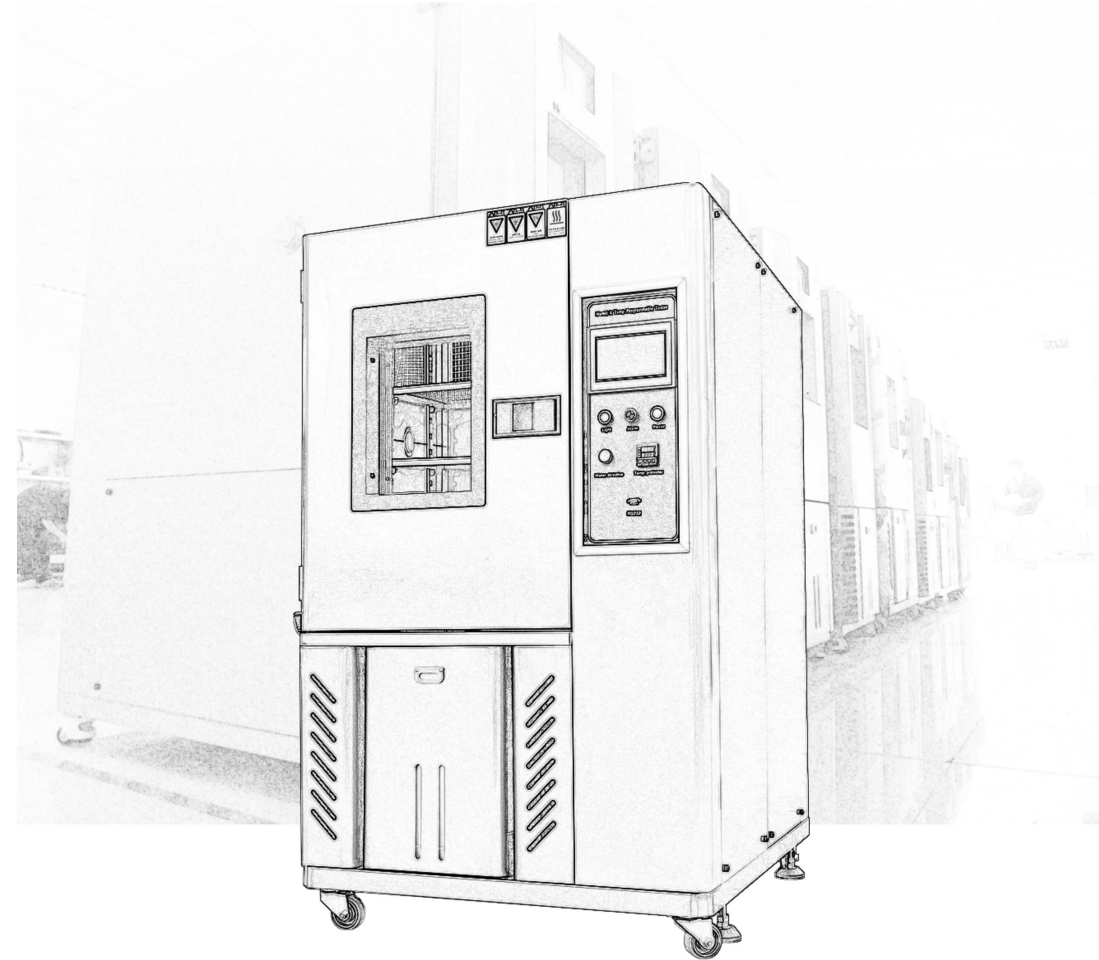
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ENVIRONMENTAL TEST MACHINES

环境检测仪器系列

测试成就品质 TESTING MAKES QUALITY

亲爱的朋友，从2004年到现在，这一路走来，我非常感谢所有选择海达仪器的客户，所有为海达添砖加瓦的同事们。因为你们的信任，才有了海达的今天。在过去的10多年，创业虽然艰辛，但我从未觉得孤独，因为身边有一群不断给海达助力的客户与员工。

我从未像现在这样自信，过去我们积累了丰富的经验，正是这些经验让我们站在了巨人的肩膀上。未来的我们将更加专注于海达仪器的产品提升与公司的进步，为社会提供更有价值的测试仪器，让海达仪器为全世界的产品质量做贡献，提高全世界人民的生活质量。十年树木，百年树人，企业也是要经过千锤百炼才可以铸就卓越。海达将会是一个大家有目共睹的卓越企业，所有的海达人一步一个脚印，坚定专注地往前走。



胡海涛
总经理

Dear friend, from 2004 to now, I am very grateful to all customers who choose haida instruments, as well as all of the colleagues who contributed to haida. Your trust made great contribution to haida's status. In the past 10 years, although it was difficult to establish a business, I never felt lonely, as there was a group of customers and employees who constantly assisted haida.

I have never been more confident than I am now. We have accumulated rich experience in the past. It is these experiences that have led us to stand on the shoulders of giants. In the future, we will focus more on the promotion of our instruments and the progress of our company. We will provide society with more valuable testing instruments, make haida international equipment contribute to the quality of products throughout the world and improve the quality of life of people around the world. It takes ten years to grow trees, but a hundred to cultivate people. Only go through a lot of trials can companies be cast into excellence. Haida will be a remarkable company for all to see. All haida people go forward, step by step and with a firm and focused attitude.

公司简介 Company Profile

海达国际仪器有限公司成立于2004年，坐落在广东省东莞市，迄今已走过10多年峥嵘岁月。主要从事纸品包装、力学、胶粘、家具、环境可靠性测试仪器等生产与销售。2007年与香港美加创力机械公司合并，引入香港资深技术总监，成立独立的研发中心。经过数年沉淀，于2016年获得广东省《高新技术企业》荣誉称号，海达人凭借卓越的产品研发设计能力开始引领行业新坐标。

Founded in 2004, haida international equipment co., ltd (haida) is located in dongguan city, guangdong province, china, who has more than 10 years experience for test equipment. Haida is professionally engaged in production and sales of various kinds of testing equipment. main series include paper & package test machines (p&p), universal test machines (utm), foam & furniture & optical test machines (ffo) and accelerated environment test chamber (aes). In 2007, haida merged with mechanical electric hk ltd. And introduced senior technician director from hk to set up our own r&d center. After several years endeavor, haida obtained certificate of new high-tech enterprise in 2016 and began to lead our industry in new direction.



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CONSTANT TEMPERATURE AND HUMIDITY CHAMBER

恒温恒湿试验箱 HD-E702



仪器简介 Product Introduction

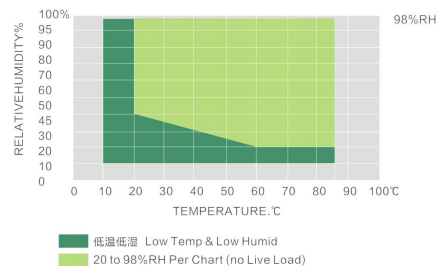
恒温恒湿试验箱能模拟各种温湿度环境、适用于检测电子、电器、食品、汽车、橡胶、塑料胶、金属、印刷制品、家具制品等产品。提供各种恶劣环境下的可靠性以及稳定性性能参数，将给您提供预测和改进产品质量及可靠性的依据。

This series machine simulate various temperature and humidity environment, it is suitable for test electronics, electrical appliances, food, automobile, rubber and plastic, metal, print products and furniture products. Provide customer with reliable testing report under harsh environments that improve the quality of products.

满足标准 Test Standard

GB/T 10586, GB11158, GB10589, GB/T2423, GJB150.3A, GJB150.4A, GJB150.9A...

温湿度对照表 Temperature And Humidity Chart



技术参数 Technical Parameters

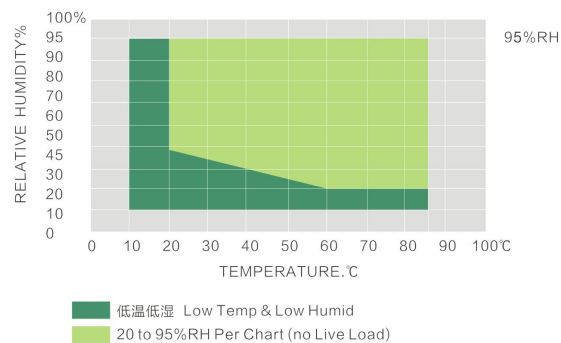
型号/Model	HD-E702-100	HD-E702-150	HD-E702-225
内箱尺寸 Internal Dimension(W*D*H)	400*500*500mm	500*500*600mm	500*750*600mm
外箱尺寸(不锈钢款) External Dimension (sus Type) (W*D*H)	950*1400*1100mm	1100*1500*1100mm	1100*1670*1200mm
外箱尺寸(喷漆款) External Dimension (paint Type) (W*D*H)	700*1400*1100mm	800*1500*1100mm	800*1670*1200mm
温度 (°C) Temperature (°C)	-20/-40/-70	-20/-40/-70	-20/-40/-70
总功率 (kW) Total Power (kW)	4.5/4.5/6.5	5/5/6.5	9.5/9.5/11.6
最大电流 (A) Maximum Current (A)	25/25/32	32/32/40	25/32/40
电压 (V) Voltage (V)	单相 220V Single Phase 220V	单相 220V Single Phase 220V	三相 380V Three Phase 380V
型号/Model	HD-E702-408	HD-E702-800	HD-E702-1000
内箱尺寸 Internal Dimension(W*D*H)	600*850*800mm	1000*1000*800mm	1000*1000*800mm
外箱尺寸(不锈钢款) External Dimension (SUS Type) (W*D*H)	1200*1770*1400mm	1550*2100*1200mm	1550*2100*1400mm
外箱尺寸(喷漆款) External Dimension (paint Type) (W*D*H)	900*1770*1400mm	1550*2100*1200mm	1550*2100*1400mm
温度 (°C) Temperature (°C)	-20/-40/-70	-20/-40/-70	-20/-40/-70
总功率 (kW) Total Power (kW)	9.5/9.5/11.6	17/17/21.5	17/17/21.5
最大电流 (A) Maximum Current (A)	32	50/50/60	50/50/60
电压 (V) Voltage (V)		三相 380V Three Phase 380V	
调节器 Regulator	调节器调节方式 (BTHC) PID智能调节 Balanced Temperature Humidity Control System (BTHC), Intelligent PID Regulation		
性能 Performane	温度范围 Temperature range -20℃, -40℃, -70℃~150℃ 温度精度 Temperature accuracy 0.01℃ 温度偏差 Temperature tolerance ≤ ± 1.0℃ 或 ± 2.0℃ 温度波动度 Temperature fluctuation ≤ ± 0.5℃ (空载 without loading), (注: 如按 GB/T5170.2-2008 表示, 波动度为 ≤ ± 0.25℃) 温度均匀度 Temperature uniformity ≤ 1.5℃ (空载 without loading), 50mm ≤ SENSOR 置放点 (离内箱壁内尺寸 1/10 处) ≤ 500mm 湿度范围 Humidity range 20%~98%RH 湿度精度 Humidity accuracy 0.1%RH 湿度偏差 Humidity tolerance ≤ ± 2%RH (湿度 ≤ 75%RH 时, 湿度偏差 ± 5%RH) (Tolerance is ± 5% R.H. when humidity ≤ 75% R.H.) 湿度波动度 Humidity fluctuation ≤ ± 2%RH 升温速度 Heating rate 平均 3℃/分钟 3℃/min in average 降温速度 Cooling rate 平均 1℃/分钟 1℃/min in average 内箱材料 Internal Chamber Material 304 不锈钢 Stainless Steel 304 外箱材料 External Chamber Material 不锈钢或喷漆处理 Stainless steel or paint spray		
调节器 Regulator	制冷方式 Cooling Method 单级压缩, 二级压缩 Single-stage compression, Second-stage Compression; 制冷剂 Refrigerator 全封闭法国泰康压缩机 Hermetically Sealed France Tecumseh Compressor 冷却方式 Cooling Method 风冷 Air-cooled		
控制器 Controller	操作界面 Operation Panel 可编程液晶触摸屏 Programmable LCD Touch Screen 运行方式 Running Mode 恒定运转, 程序运转 Fix Running, Pattern Running 程序记忆容量 Program Memory Capacity 120 组可编程序, 每个程序最大 100 段 120 Group Programmable, Max 100 Section Each		
供水 Water supply	通讯功能 Output Rs-232 接口 Rs-232 (USB, Optional) 供水方式 Water Supply 循环供水 Circulating Water 水箱容量 Water Tank Capacity 800L 以下标配一个水箱 (容量 25L/个) Chamber Internal Capacity < 800L: 25L X 1 pc 800L 以上标配两个水箱 (容量 25L/个) Chamber Internal Capacity > 800L: 25L X 2 pc		

WALK-IN TEMPERATURE AND HUMIDITY TESTING ROOM

步入式恒温恒湿房 HD-E705



温湿度对照表 Temperature And Humidity Chart



仪器简介 Product Introduction

步入式恒温恒湿房适用于整机或大型零部件的低温、高温、高低温变化、恒定热、高低温交变湿热试验等。可根据用户要求改变工作室尺寸与功能等；拼块式箱体，造型美观大方；科学的风道设计，能满足不同客户的需求；采用触摸屏，PLC程控器。

This product is suitable for complete machine or large parts with low temperature, high temperature, high-low temperature change, constant temperature, high-low temperature cycles test etc. Chamber dimension and function could be provide according to customer specifications; elegant appearance with flight block style chamber; scientific air flue design and can match the different clients' requirement. Adopt to touch screen, programmable logic controller (PLD).

技术参数 Technical Parameters

定制尺寸 Customized Size	2, 4, 6, ..., 40 m³ 2, 4, 6, ..., 40 Cubic Meter
工作室标准容积 Working Room Capacity	8个方(8m³)(可根据客户要求定制) 8Cubic Meter (can be customized)
内箱尺寸 Internal Dimension(W*D*H)	2250*1800*2000mm (can be customized)
外箱尺寸 External Dimension(W*D*H)	3600*2100*2530mm (can be customized)
观察窗尺寸 Viewing Window Dimension	280*380mm (can be customized)
温度范围 Temp. Range	0℃; -10℃; -20℃; -40℃~+150℃
湿度范围 Humid. Range	20%~95% RH
温度波动度 Temp. Fluctuation	≤±1.0℃(空载)without loading
湿度波动度 Humid. Fluctuation	±2.5%RH
降温速率 Cooling rate	平均1度/分钟, 线性降温速率及快速降温速率可定制 1℃/min in average, without loading. Linear and fast cooling rate can be customized.
升温速率 Heating rate	平均1度/分钟, 线性升温速率及快速升温速率可定制 1℃/min in average, without loading. Linear and fast heating rate can be customized.
温度均匀度 Temp. Uniformity	≤2℃
温度偏差 Temperature Tolerance	±3℃
湿度均匀度 Humid. Uniformity	≤3% RH
湿度偏差 Humid. Tolerance	±5%RH
内箱材料 Internal Material	304不锈钢 Stainless Steel 304
外箱材料 External Material	不锈钢/静电喷涂 Stainless Steel / Paint Spray
温度测量和控制器 Temperature Measurement And Controller	32位控制和监视系统 32 Bit Control And Monitoring System; 可程式LCD触摸屏 Programmable LCD Touch Screen Controller; 面板配有RS232/USB接口 Interface Facility With RS232/USB

THERMAL SHOCK TEST CHAMBER

冷热冲击试验箱 HD-E703



仪器简介 Product Introduction

完善的保护报警功能：当出现短路、漏电、工作室超温；压缩机超压、过载、油压、断水等异常状况时，荧幕上即刻自动显示故障原因及提供排除方法。并当发现输入电压不稳时，具有紧急停机装置，冷热冲击结构移动时间在10秒内。

可扩充设备：温度记录器；快速降温控制系统。

功能模块：此设备分为高温区、低温区及测试区三部分，采用独特的断热结构及蓄热、蓄冷效果，采用冷热风路切换方式导入试样中，做冷热冲击测试。

采用原装进口微电脑大型液晶（中英文显示控制系统）。高程式记忆容量，可设定储存100组程式，最大循环设定9999次循环，每段时间最大设定999小时59分钟。

具有RS-232通信界面装置，可与电脑连线控制/编辑/记录及十组动态链接。

具备全自动，高精度系统，任一机件动作，完全由P.L.C锁定处理。

Perfect protection alarm functions: short-circuits, leakage, over temperature of work chamber, compressor over pressure, over load, short water and so other unnormal situation, interface will display the alarm reason and provide check methods, also the machine with emergency stop devices when input voltage not stability.

Optional device: temperature recorder; fast cool speed system.

Functions: the device including high temperature area, low temperature area and test chamber, adopt unique break hot structure and heat, cold storage, perform thermal shock test by switching hot and cold wind into samples.

LCD color chinese / english microcomputer temperature controller, which imported from japan. High capacity memory, can save 100 programs, max 9999 cycles, each max time 999hrs 59mins.

With rs-232 interface, connect to pc can control/ edit/ record and timer singal relay.

Fully automatic, high precious, each action control by PLC.

技术参数 Technical Parameters

型号/Model	HD-E703-50	HD-E703-100	HD-E703-200	HD-E703-300
内箱尺寸 Internal Dimension (W*D*H)	350*350*400mm	500*450*450mm	650*670*450mm	800*820*450mm
外箱尺寸(不锈钢款) External Dimension (SUS Type) (W*D*H)	1230*1270*1830mm	1380*1370*1980mm	1530*1590*1980mm	1680*1735*1980mm
试验方式 Test Method	气动风门切换2箱式或3箱式 Pneumatic Operated Door Switch(two/three-zone)			
冲击范围 Thermal shock range	-40℃, -55℃, -65℃~+150℃			
高温室预热温度范围 High Temp Chamber Preheating Range	常温 + 10℃~200℃ Ambient +10℃~200℃			
升温速度 Heating Speed	≤35min			
低温室预冷温度范围 Low Temp Chamber Precooling Range	常温 ~ -75℃ Ambient ~ -75℃			
降温速度 Cooling Speed	≤50min			
温度偏差 Temp Tolerance	±2℃			
温度恢复时间 Thermal Recovery Time	三箱式为5分钟，两箱式为提篮移动≤10秒，温度恢复时间≤2分钟 Three-chamber type in 5mins, two-chamber type basket move in 10 secs, temperature stable in 2 mins			
内箱材料 Internal Material	304不锈钢 Stainless Steel 304			
外箱材料 External Material	不锈钢或静电喷漆 Stainless Steel / Spray Paint			
控制器 Controller	控制界面 Operation Panel	可编程液晶触摸屏 Programmable LCD Touch Screen		
	程序记忆容量 Program Memory Capacity	100组可编程 100 Programs		
	设定范围 Setting Range	时间：1分钟~99小时59分钟；循环：1~999循环 Time: 1min~ 99h59min; Cycles: 1~999 Cycles		
	分辨率 Resolution	温度：0.01℃；时间：1分钟 Temp.: 0.01℃; Time: 1 min		
制冷系统 Refrigeration system	输入 Input	T型热电偶 T Thermocouple		
	制冷方式 Cooling Method	机械压缩二元复迭制冷 Mechanical Compression Binary Cascade Refrigeration		
	制冷压缩机 Refrigeration Compressor	半封闭活塞式 Semi-closed Piston		
	制冷剂 Refrigerant	R23/R404		

满足标准 Test Standard

MTL, IEC, JIS, GJB...

RAPID-RATE THERMAL CYCLE CHAMBER 快速温变试验箱 HD-E708



仪器简介 Product Introduction

快速温变试验箱主要用于考察产品机械性能引起的失效。温度变化率一般小于20℃/分钟，实现以最快的速度真实再现所测样品应用环境条件。当构成产品各部件的材料匹配较差，或部件内应力较大时，温度循环试验可引发产品由机械结构缺陷劣化产生的失效。一般应用于光电器件、互连电路、组件单元及电子设备的筛选试验和失效模式评估。是发现产品设计缺陷和工艺问题的有效方法。

Rapid-rate Thermal Cycle Chamber can evaluate the failure mechanical properties of product; normally the temperature ramp rate is less than 20℃/min, which can achieve the real application environment of testing sample by the fastest ramp rate.

The chamber is applied to the screening test and failure mode evaluation of photoelectric components, interconnection circuits, component units and electronic devices.

技术参数 Technical Parameters

型号	HD-E708-100	HD-E708-150	HD-E708-225
内箱尺寸 (W*D*H)	400*500*500mm	500*500*600mm	500*600*750mm
外箱尺寸 (不锈钢款)	900*1070*1400mm	1000*1070*1500mm	1000*1170*1650mm
外箱尺寸 (烤漆款)	600*1080*1380mm	700*1080*1480mm	700*1180*1630mm
温度℃	-20/-40/-70	-20/-40/-70	-20/-40/-70
总功率KW	5, 5, 6.5	5, 5, 6.5	8.5, 8.5, 10
最大电流A	22, 22, 28	22, 22, 28	18, 18, 23
电压V	单相220V	单相220V	三相380V
温度范围	-20℃/-40℃/-70℃/+150℃		
温度控制精度	0.01℃		
温度均匀度	≤±2.0℃		
温度偏差	±0.5℃~±0.2℃ (空载)		
升温速率	1℃/分钟~10℃/分钟, 可定制		
降温速率	1℃/分钟~10℃/分钟, 可定制		
湿度范围	20%~98%RH		
湿度控制精度	0.1%RH		
湿度均匀度	±3%RH (空载)		
内箱材料	304不锈钢		
外箱材料	不锈钢或烤漆		
内箱尺寸	非标定制, 研发制造		

满足标准 Test Standard

GB/T5170.2-2008 Temperature Test Equipment
GB/T2423.1-2008 (IEC60068-2-1:2007) Tests: Test A - Cold
GB/T2423.2-2008 (IEC60068-2-2:2007) Tests: Test B - Dry Heat
IEC 60068-2-14 2009 Tests: Test N - Change Of Temperature

Model	HD-E708-100	HD-E708-150	HD-E708-225
InternalDimension	400*500*500mm	500*500*600mm	500*600*750mm
Externaldimension(SUSType)	900*1070*1400mm	1000*1070*1500mm	1000*1170*1650mm
Externaldimension(Painttype)	600*1080*1380mm	700*1080*1480mm	700*1180*1630mm
Temperature (℃)	-20/-40/-70	-20/-40/-70	-20/-40/-70
TotalPower (kW)	5, 5, 6.5	5, 5, 6.5	8.5, 8.5, 10
Maximum Current (A)	22, 22, 28	22, 22, 28	18, 18, 23
Voltage (V)	Single-phase220V	Single-phase220V	Three-phase380V
Temp.range	0℃; -20℃; -40℃; -70℃/+150℃		
Temp. Display Accuracy	0.01℃		
Temp. uniformity	≤±2.0℃		
Temp. deviation	±0.5℃~±0.2℃ (without load)		
Heating speed	1℃/min~10℃/min, can be customized		
Cooling Speed	1℃/min~10℃/min, can be customized		
Humid. range	20%~98%RH		
Humid. resolution	0.1% R.H.		
Humid. uniformity	±3%RH (without load)		
Internal chamber material	Stainless steel 304		
External chamber material	Stainless steel / paint spray		
Internal dimension(W*D*H)	can be customized		

HIGH LOW TEMPERATURE CYCLE CHAMBER 高低温交变试验箱 HD-E709



仪器简介 Product Introduction

高低温交变试验箱用来测试材料结构或复合材料，在经级高温及极低温的连续环境下所能忍受的程度，藉以在试验其热胀冷缩所引起的化学变化或物理伤害。适用的对象包括金属，塑料，橡胶，电子等材料，可作为其产品改进的依据或参考。

High Low Temperature Cycle Chamber is used to test material structure or composite materials operate at extreme high temperature and low temperature condition, to test its chemical changes and physical damages caused by thermal expansion and contraction stress. The chamber is applicable for metal, plastic, rubber, electronics and other materials, which can be used as references for product improvement.

满足标准 Test Standard

GB 11605.3-89 The method of environmental test for analytical instruments—Low Temperature
GB 11605.4-89The method of environmental test for analytical instruments—High Temperature
GB/T2423.1-2008 Method A: Low Temperature Test
GB/T 2423.2-2008 Method B: High Temperature Test
GB 11606-2007Analytical instrument environment test method
SJT 31129-1994 High and low temperature inspection assessment method

技术参数 Technical Parameters

型号	HD-E709-50	HD-E709-100	HD-E709-150	HD-E709-225	HD-E709-408	HD-E709-800	HD-E709-1000
Model							
内尺寸 (W*D*H)	300*400*400mm	500*400*500mm	500*500*600mm	500*600*750mm	600*800*850mm	800*1000*1000mm	1000*1000*1000mm
Internal Dimension (W*D*H)							
外尺寸 (W*D*H)	800*880*1550mm	1000*880*1650mm	1000*1000*1750mm	1000*1100*1900mm	1100*1300*2050mm	1300*1500*2200mm	1500*1500*2200mm
External dimension (W*D*H)							
重量(kg)	200	240	280	320	380	500	600
Weight (kg)							
电源	AC220/380V50HZ						
Power							
最大功率 (kW)	3.5	4	4.5	5.5	8	9.5	12.5
Max. power (kW)							
最大电流A	10	11	12	15	21	24	32
Max. current (A)							
使用环境温度	温度+5℃~+30℃; 相对湿度<85%; 大气压86~106KPa; Temperature: +5~+30℃, Relative humidity: ≤85% RH, Atmosphere: 86~106KPa						
Working environment							
温度范围	-20℃~+150℃;	-40℃~+150℃;	-70℃~+150℃;				
Temperature range							
温度波动度	≤±0.5℃						
Temperature fluctuation							
温度均匀度	≤±2.0℃						
Temperature Uniformity							
温度偏差	≤±2.0℃						
Temperature tolerance							
降温速率	0.7~1.5℃/min in average						
Cooling Speed							
升温速率	1.5~5.0℃/min in average						
Heating Speed							
制冷方式	单级式/二级式制冷						
Refrigerating method							
压缩机	法国寿康、德国谷轮、日本松下 (全封闭压缩机)						
Compressor							
冷却方式	风冷/水冷						
Cooling method							
控制器	韩国“三元”TEMI系列真彩触摸屏						
Controller							
温度传感器	铂电阻 (PT100)						
Temperature sensor							
电器元件	西门子女流接触器、欧姆龙固态继电器、德力西电器						
Electrical components							
安全保护装置	电流保护、超温保护、缺相保护、压缩机过载						
Safety protection devices							

OZONE AGING TEST CHAMBER 臭氧老化试验箱 HD-E801



TURNTABLE SAMPLE HOLDER
转盘式试样架

仪器简介 Product Introduction

臭氧老化试验箱为电线电缆、橡胶及聚合物等产品测试提供精准的臭氧浓度环境。此设备广泛应用于加速老化研究，质量控制和质量保证，研发中心抗裂性试验机配方实验等。

Ozone Aging Test Chamber provides accurate ozone concentration environment for electric wire, rubber and polymer test, ect. It widely applied to accelerated ageing research quality control and assurance tests and R&D laboratory formula experiments for cracking resistance.

满足标准 Test Standard

GB/T 7762, GB/T 13642, ISO 1431/2, GB/T 2951.21-2008, ASTM D119, JIS K6259...

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	400*500*500 mm (100L)	500x600x500 mm (150L)
外箱尺寸 (W*D*H)	900*970*1600 mm	1000x1000x1750 mm
温度范围	RT+10℃~80℃	
温度波动度	±0.5℃	
湿度范围	30%~85%RH	
臭氧浓度	50~1000 ppmh, 可调	
臭氧控制精度	±5%FS	
试样架	2块可拆卸试样架, 304不锈钢	
转盘式试样架 (可选)	内置360度转盘, 含3组静态和3组动态夹具	
控制器	LCD可编程控制器, 触摸屏	
臭氧发生器	无汞高压放电臭氧发生器	
电源	单相, AC 220V 50Hz, 4.5kW	

Internal Dimension	400*500*500 mm (100L)	500x600x500 mm (150L)
External Dimension	900*970*1600 mm	1000x1000x1750 mm
Temperature Range	RT+10℃~80℃	
Temperature Fluctuation	±0.5℃	
Humidity range	30%~85%RH	
Ozone Concentration	50~1000 ppmh, Adjustable	
Ozone Accuracy	±5%FS	
Sample Holder	2pcs Removable Sample Tray, Stainless Steel 304	
Turntable Sample Holder (optional)	Built-in 360 degree rotation sample holder, including 3 Sets Static Tensile Fixture And 3 Sets Dynamic Tensile Fixture.	
Controller	LCD Programmable Controller, Touch Screen	
Ozone Generator	High Pressure Silence Discharge Type	
Power Supply	Single Phase, AC 220V 50Hz, 4.5kW	

VENTILATION TYPE AGING TEST CHAMBER 换气式老化试验箱 HD-E701



仪器简介 Product Introduction

换气老化试验箱适用于试样在模拟高温和大气压力下的空气中老化后测定其性能并与未老化样品的性能予以比较。一般用来试验电线、电缆、绝缘体或被覆的橡胶试样，以比较试样老化前与老化后的抗拉强度及伸长率。

Air Ventilation Aging Test Chamber simulates aging test for test specimen under high temperature and standard air pressure, to test and compare its performance with untested samples. The chamber is widely used for electric wire, cable, insulator and coated rubber specimen, to compare the tensile strength and elongation before and after aging test.

满足标准 Test Standard

JB/T 7444, GB/T 3512, GB/T 11026.4...

技术参数 Technical Parameters

型号	HD-E701-1	HD-E701-2
内箱尺寸 (W*D*H)	450*450*500mm	
温度范围	RT+10℃~200℃	RT+10℃~300℃
温度均匀度	≤±2℃ (200℃以内, 200℃~300℃≤±3℃) (空载时)	
温度波动度	±0.5℃ (空载时)	
升温速率	1.0℃~3.0℃/min	
时间设定范围	0~999 小时	
换气量	3~10次/小时 (可调)	
换气方式	通过微氧泵、流量计自动换气	
试样转盘	10r/min, 两层不锈钢转盘	
换气时间	1~99 (s, m, h) 可调	
设备使用环境湿度	≤85% RH	
电源要求	AC380 (±10%) V/50Hz 三相五线制	
功率	3kW	
安全装置	超温保护, 欠相/逆相保护, 定时功能	

Model	HD-E701-1	HD-E701-2
Internal Dimension	450*450*500mm	
Temperature range	Ambient +10℃~200℃	Ambient +10℃~300℃
Temperature uniformity	Ambient +10~200℃: ≤±2℃; 200℃~300℃: ≤±3℃ (without loading)	
Temperature fluctuation	±0.5℃, without loading	
Heating rate	1.0~3.0℃/min	
Test time	0~999 hours	
Ventilation	3~10 times/hour, adjustable	
Ventilation method	Automatically ventilating by oxygen pump and flow meter	
Sample turntable	10r/min, 2pcs stainless steel sample tray	
Ventilation time	1~99 (s, m, h), adjustable	
Working environment	≤85% RH	
Power supply	Three phase, AC 380V ±10%, 50Hz	
Power	3 kW	
Protection	Over-temperature, Out of Phase/sequence Protection, Timing function	

ANTI-YELLOWING AGING TEST CHAMBER

耐黄老化试验箱 HD-E704



仪器简介 Product Introduction

耐黄老化试验箱可做二种测试：老化与耐黄变。

老化：本机可促进加硫橡胶的劣化，以计算加热前后拉力及伸长的变化率，一般认为在70℃下测试一天，理论上相当于暴露在大气中6个月的时间。

耐黄：本机是模拟大气环境中，受阳光紫外线照射，外观变化一般认为在50℃下测试9小时，理论上相当于暴露在大气中6个月的时间。

This machine can do two kinds of testing: aging and anti-yellowing. Aging: the machine can promote the increase of sulfur rubber deterioration, to calculate the change rate of tensile and elongation before and after heat. It is generally thought that test for one day at 70℃, in theory as exposed to the atmosphere for 6 months.

Anti-yellowing: this machine stimulates the atmosphere environment, driven by the sun ultraviolet radiation. Its generally thought that the appearance change at 50℃ for 9 hours, in theory as exposed to atmosphere for 6 months.

满足标准 Test Standard

JIS-P8127, ASTM D1148...

技术参数 Technical Parameters

内箱尺寸 Internal Dimension	500*500*600mm(W*D*H)
外箱尺寸 External Dimension	940*700*1350mm(W*D*H)
温度范围 Temperature Range	常温 ~ +200℃ Ambient ~ +200℃
控制方式 Control Method	自动演算控制器 Automatic Calculation Controller
时间记忆 Time Memory	0~999小时，停电记忆型，含蜂鸣器 0~999 Hours, Automatic Power Cut-off Memory, Including Buzzer
转盘直径 Turntable Diameter	直径45cm Diameter 45cm
转盘速度 Turntable Speed	3~10转/分钟，可调 3~10 cycles/min, adjustable
UV光源 UV Light	300W UVA灯管 300W UVA Lamp
加热方式 Heating Method	热风循环 Hot Air Circulation
内箱材料 Internal Material	304不锈钢 Stainless Steel 304
外箱材料 External Material	表面静电喷漆 Carbon steel with electrostatic painting surface

DUST TEST CHAMBER 砂尘试验箱 HD-E706



INTERNAL CHAMBER
砂尘内箱图

技术参数 Technical Parameters

型号Model	HD-E706
内箱尺寸(W*D*H) Internal Dimension	600*600*600mm 800*800*800mm 1000*1000*1000mm
外箱尺寸(W*D*H) External Dimension	1100*900*1650mm 1300*1100*1800 1500*1300*2000mm
内箱材料 Internal Chamber Material	304不锈钢，防蚀，易清洗 Stainless Steel 304, Anti-rust, Easy to Clean
外箱材料 External Chamber Material	不锈钢 Stainless steel
控制器 Controller	采用可编程控制器（具备下述多种设定控制功能） a.吹尘时间（停、吹）m/s 可调 b.循环周期：任意可调 c.预吹时间0s~99m99s 任意可调 d.通断：断—通—断 PLC Controller, Touch Screen A. Blowing Dust Time (stop/blow) m/s B. Cycle Time: Can Be Adjusted C. Pre-set Test Time: 0s ~ 99m99s D. Specimen Opening: Off - On - Off
测试时间 Testing Time	可调节 0.1s~999hr, Adjustable
箱内、管道内灰尘浓度 Dust Concentration	浓度为2kg/m³ ~ 4kg/m³，测试20次后更换 2kg/m³ ~ 4kg/m³, Should Be Replaced in Every 20 Tests
测试尘类型 Dust Type	滑石粉 Powdered Cement, Talcum Powder
真空系统 Vacuum System	压力计，空气过滤器，气压调整器，真空泵，连接管 Pressure Gauge, Air Filter, Pressure Regulating Frl, Connecting Pipe, Vacuum Pump
真空泵 Vacuum Pump	0~30kpa
气压压力 Air Pressure	0.5~0.8mpa
气流速度 Air Flow Rate	≤2m/s
承重 Loading	200kg
内置电源插座 Power Socket inside Chamber	可供样品带电测试的防止开关 Dust Proof Power Socket for Specimen Opening
门材料 Door Material	钢化玻璃 Tempering Glass
电源 Power Source	Single-phase AC220V/ Three-phase AC380V, 50Hz, 2.5KW

仪器简介 Product Introduction

砂尘老化试验箱主要针对不同电子元件在极端的环境条件下的性能测试，遵照不同标准要求下的测试时间和测试循环组合。

Dust Test Chamber are mainly performed to test functioning of electronic components under extreme environmental conditions. Various standards specify the test duration and composition of dust used.

满足标准 Test Standard

IEC 60529, IP5X & 6X...

XENON WEATHERING TEST CHAMBER (AIR COOLED)

氙灯耐候试验箱（风冷式）HD-E711-1



仪器简介 Product Introduction

氙灯耐候试验箱采用氙弧灯，可模拟全太阳光谱且存在于不同环境下的破坏性光波。此设备能提供相应的环境模拟和加速试验，专门用于科研，产品开发和产品质量管控等等。

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	750*500*600mm	800*800*800 mm	1000*1000*1000mm
外箱尺寸 (W*D*H)	1300*1000*1700mm	1450*1350*2150 mm	1650*1550*2350mm
内箱材质	304不锈钢，防尘，易清洗		
外箱材质	烤漆/不锈钢		
箱内湿度	光循环30%~50% RH、暗循环30%~95%RH可调		
湿度均匀度	≤ ± 5%RH		
箱内温度	20℃~80℃，可设定		
黑板温度	30℃~95℃，可设定		
温度均匀度	≤ ± 2℃		
滤光片	宽玻璃滤光片(标配)、日光滤光片、延展紫外滤光片		
光源	风冷长弧氙灯		
辐照强度	290~800nm波段550~1120W/m²，可调		
控制系统	LCD可编程控制，自动显示辐照度，可设定100组程序，每个程序含99个循环		
光照时间	1~999 Hours, Adjustable		
淋雨系统	喷水时间999分钟可调，间断喷水时间1~240分钟可调，可周期循环设定		
触发器功率	3kW，工作电压交流220V，电流25±3A		
淋雨喷嘴	直径：0.8mm（回水带超精细过滤器防止喷嘴堵塞）		
试样架	1块304不锈钢试样架		
试样与灯管距离	250~300mm		
氙灯寿命	12000小时		
氙灯功率	2.5kW*3pcs=7.5kW		
电源	三相，AC380V 50Hz		
辐照量	自动演算累积辐照量并自动停机		



INTERNAL CHAMBER
内箱

The Xenon Weathering Test Chamber uses a xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves that exist in different environments. This enables the device to provide the corresponding environment simulations and acceleration tests for scientific research, product development and quality control.

满足标准 Test Standard

ISO 4892-2, ASTM G155, IEC 60068-2-5, SAE J2412...	
Internal Dimension	750*500*600mm 800*800*800 mm 1000*1000*1000mm
External Dimension	1300*1000*1700mm 1450*1350*2150 mm 1650*1550*2350mm
Internal Chamber Material	Stainless Steel 304, Anti-rust, Easy To Clean
External Chamber Material	Paint Spray/ Stainless Steel
Chamber Humidity Range	30%~50% RH (Light Cycle)30%~95% RH (Dark Cycle)
Humidity Uniformity	≤ ± 5%RH
Chamber Temperature	20℃~80℃, Adjustable
Black Panel Temperature	30℃~95℃, Adjustable
Temperature Uniformity	≤ ± 2℃
Filter	Window filter, Daylight filter, Extend UV Filter
Light Source	Air Cooled Long Arc Xenon Lamp
Irradiance Strength	550~1120W/m²@290~800nm, Adjustable
Control System	LCD Programmable Controller, Auto Display Irradiance, Capacity: 100 Groups Program, 99 Cycles
Illumination Time	1~999 Hours, Adjustable
Water Spray System	Water Spray Time 999 Minutes Settable Interval Spray Time, 1~240 Minutes Settable, cycle settable
Power trigger	3kW, AC220V, 25 ± 3A
Water Spray Nozzle	Diameter: 0.8mm
Sample Holder	Stainless Steel 304, 1pc
Distance From Sample Holder To Lamp	250~300mm
Xenon Lamp Lifetime	12000hours
Xenon Lamp Power	2.5kW*3pcs=7.5kW
Power Supply	Three Phase , AC380V 50Hz
Irradiation	Automatic calculus accumulates irradiation and stops

XENON WEATHERING TEST CHAMBER (WATER COOLED)

氙灯耐候试验箱（水冷式）HD-E711-2



仪器简介 Product Introduction

氙灯耐候试验箱采用氙弧灯，可模拟全太阳光谱且存在于不同环境下的破坏性光波。此设备能提供相应的环境模拟和加速试验，专门用于科研，产品开发和产品质量管控等等。

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	800*800*800mm	1000*1000*1000 mm
外箱尺寸 (W*D*H)	1450*1350*2150 mm	1650*1550*2350mm
内箱材质	304不锈钢，防尘，易清洗	
外箱材质	烤漆/不锈钢	
箱内湿度	光循环30%~50% RH、暗循环30%~95%RH可调	
湿度均匀度	± 5 %RH	
箱内温度	20℃~80℃，可设定	
黑板温度	30℃~95℃，可设定	
温度均匀度	≤ ± 2℃	
滤光片	宽玻璃滤光片(标配)、日光滤光片、延展紫外滤光片	
光源	水冷式长弧氙灯	
氙灯功率	1支6.5kW水冷氙灯	
辐照强度	290~800nm波段550~1120W/m²，可调	
控制系统	LCD可编程控制，自动显示辐照度，可设定100组程序，每个程序含99个循环	
光照时间	1~999 Hours, Adjustable	
淋雨系统	喷水时间999分钟可调，间断喷水时间1~240分钟可调	
淋雨喷嘴	直径：0.8mm（回水带超精细过滤器防止喷嘴堵塞）	
试样架	转盘式试样架，1~5R/min可调	
最大试样尺寸	200*90mm，厚度<20mm，片状试样	
试样与灯管距离	250~300mm	
氙灯寿命	12000小时	
电源	三相，AC380V 50Hz	
冷水机	6.5kW	
水箱规格	10RT、15RT、20RT...	
辐照量	自动演算累积辐照量并自动停机	



TURNABLE SAMPLE TRAY
转盘式试样架

The Xenon Weathering Test Chamber uses a xenon arc lamp that can simulate full sunlight spectrum to reproduce destructive light waves that exist in different environments. This enables the device to provide the corresponding environment simulations and acceleration tests for scientific research, product development and quality control.

满足标准 Test Standard

ISO 4892-2, ASTM G155, IEC 60068-2-5, SAE J2412...	
Internal Dimension	800*800*800mm 1000*1000*1000 mm
External Dimension	1450*1350*2150 mm 1650*1550*2350mm
Internal Material Material	Stainless Steel 304 , Anti-rust, Easy To Clean
External Material Material	Paint Spray/ Stainless Steel
Chamber Humidity Range	30%~50% RH (Light Cycle)30%~95% RH (Dark Cycle)
Humidity Uniformity	± 5 %RH
Chamber Temperature	20℃~80℃, Adjustable
Black Panel Temperature	30℃~95℃, Adjustable
Temperature Uniformity	≤ ± 2℃
Filter	Standard configuration: window glass filter Optional: daylight filter, UV filter
Light Source	Water Cooled Xenon Lamp
Xenon Lamp Power	6.5kW*1pc=6.5kW
Irradiance Strength	550~1120W/m²@290~800nm, Adjustable
Control System	LCD Programmable Controller, Auto Display Irradiance, Capacity: 100 Groups Program, 99 Cycles
Illumination Time	1~999 Hours, Adjustable
Water Spray System	Water Spray Time 999 Minutes Settable Interval Spray Time, 1~240 Minutes Settable
Water Spray Nozzle	Diameter: 0.8mm
Sample Holder	Turntable Sample Rack, 1~5R/min
Max. Sample Dimension	200*90mm Thickness<20mm
Distance From Sample Holder To Lamp	250~300mm
Xenon Lamp Lifetime	12000hours
Power Supply	Three Phase , AC380V 50Hz
Chiller	6.5kW
Water tower specs	10RT、15RT、20RT...
Irradiation	Automatic calculus accumulates irradiation and stops

UV WEATHERING TEST CHAMBER

UV耐候试验箱 HD-E802



仪器简介 Product Introduction

UV耐候试验箱装配紫外UVA或UVB灯管，可模拟太阳光的紫外光谱，程序设定温度，光照及淋雨等条件。此设备用于测试在光照条件下对产品造成的不同类型的损害，如变色，龟裂，裂纹，强度下降，氧化等。耐光能力或单一耐湿能力减弱或失效，从而广泛用于对材料耐候性能的评价。

技术参数 Technical Parameters

内箱设计	标准内箱	方形内箱
内箱尺寸 (W*D*H)	N/A	1140*650*500 mm
外箱尺寸 (W*D*H)	1300*500*1460 mm	1340*700*1800 mm
温度范围	RT+20℃~70℃	
温度波动度	±1℃	
黑板温度	50℃~70℃，可设定	
内外箱材质	304不锈钢	
控制系统	LCD可编程式控制器，光照，冷凝和淋雨系统循环可设	
UV灯管	8支，1600小时使用寿命	
有效辐照区域	900x210mm	
辐照度计	0.45~0.9W/m ² (进口)，0.20~0.60W/m ² (国产) 辐照度可调	
试样与灯管距离	50±2mm	
试样尺寸 (标准内箱)	75x200mm (24块) 或75x150mm (48块)，最大厚度5mm	
试样尺寸 (方形内箱)	不规则试样	
电源电压	单相，AC 220V 50Hz	



UV Weathering Test Chamber is equipped with a fluorescent uva/uvb lamp which can simulate the uv spectra of sunlight, exposes materials to alternating cycles of uv light and moisture at controlled, elevated temperatures. It's used to test types of damages include colour change, gloss loss, chalking, cracking, crazing, hazing, blistering, strength loss and oxidation.

满足标准 Test Standard

ASTM G154, ISO 4892-3...

Internal Chamber Design	Standard Chamber	Flat Type Chamber
Internal Dimension	N/A	1140*650*500 mm
External Dimension	1300*500*1460 mm	1340*700*1800 mm
Temperature Range	RT+20℃~70℃	
Temperature Fluctuation	±1℃	
Black Temperature	50℃~70℃, Adjustable	
Internal & External Chamber Material	Stainless Steel 304	
Control System	Programmable Controller, LCD Touch Screen illumination, Condensation And Water Spray Test Cycles Are Programmable	
UV lamp	USA Altas or Q-lab lamps (8pcs; 1600 hours lifetime)	
Effective Irradiation Area	900*210mm	
Irradiance Meter	0.45~0.9W/m ² (imported lamp); 0.20~0.60W/m ² (domestic lamp), adjustable	
Distance From Sample To Lamp	50±2mm	
Sample Dimension (Standard Chamber)	75×290mm (24pcs) Or 75x150mm (48pcs), Max. Thickness 5mm	
Sample Dimension (Flat Type Chamber)	Irregular Test Samples	
Power	Single Phase, AC 220V 50Hz	

SALT SPRAY CORROSION CHAMBER

盐雾试验箱 HD-E808



仪器简介 Product Introduction

盐雾试验箱针对各种材质的表面处理，包含涂料、电镀、无机及有机皮膜，阳极处理防锈油等防蚀处理后，测试其制品的耐蚀性。

The machine adapted to the surface treatment of various materials, including paint, electroplating, organic and inorganic coating, anode processing, antirust oil and so on, after these anti-corrosive treatment to test the corrosion resistance of their products.



满足标准 Test Standard

ISO: 3769, 3770, 9227
CNS: 3627, 3385, 4159, 7669, 8886
ASTM: B117, B268; GB/T2423.17
GB: GB 10125, GB/T2423.17, 2423.17/12967.3
JIS: D0201, H8502, H8610, K5400, Z2371

技术参数 Technical Parameters

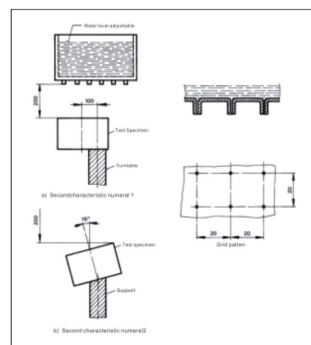
型号	HD-E808-60	HD-E808-90	HD-E808-120	HD-E808-160
内箱尺寸 (W*D*H)	600*400*450mm	900*600*500mm	1200*1000*500mm	1600*1000*500mm
外箱尺寸 (W*D*H)	1070*600*1180mm	1410*880*1280mm	1900*1300*1400mm	2300*1300*1400mm
型号	HD-E808-60A	HD-E808-90A	HD-E808-120A	HD-E808-160A
控制器	触摸屏、按键式			
温度范围	试验室: 常温+5℃~55℃; 饱和桶: 常温+5℃~63℃			
温度偏差	≤±1℃			
温度均匀度	2℃			
温度波动度	±0.5℃			
盐雾沉降量	1.0~2.0ml/80cm ² .hr			
喷雾方式	连续、周期任选 (触摸屏); 连续 (按键式)			
测试时间	1~9999 (时, 分, 秒) 可调			
温度控制	PID+S, S, R 微电脑集成控制器			
温度传感器	铂电阻 PT100 Ω /MV			
加热系统	全独立系统, 镍铬合金电加热棒式加热器			
喷雾系统	塔式喷雾装置加无结晶喷嘴			
箱体材料	耐腐蚀, 抗老化, 采用进口PP&PVC硬质塑料板			
密封	采用水密封装置, 无盐雾溢出			
电源电压	AC220V ±10% 50Hz			

Model	HD-E808-60	HD-E808-90	HD-E808-120	HD-E808-160
Internal Dimension	600*400*450mm	900*600*500mm	1200*1000*500mm	1600*1000*500mm
External Dimension	1070*600*1180mm	1410*880*1280mm	1900*1300*1400mm	2300*1300*1400mm
Model	HD-E808-60A	HD-E808-90A	HD-E808-120A	HD-E808-160A
Controller	PLC controller, touch-tone controller			
Temperature Range	试验室: RT+5℃~55℃; Saturated Air Barrel Tank: RT+5℃~63℃;			
Temperature Tolerance	≤±1℃			
Temperature Uniformity	2℃			
Temperature Fluctuation	±0.5℃			
Salt Spray Deposition	1.0~2.0ml/80cm ² .hr			
Spray Method	Continuous and periodic spray are optional (PLC type); Continuous spray (touch-tone type)			
Test Time	1~9999 (S, M, H) Adjustable			
Temperature Control	PID+S, S, R Microcomputer Integrated Controller			
Temperature Sensor	Platinum Resistance Pt100 Ω /MV			
Heating System	All Independent System, Nickel-chromium Alloy Electric Heating Heater			
Spray System	Tower Spray Device with No Crystallization Nozzle			
Machine Material	Corrosion Resistance, Anti-aging, Import PP & PVC high strength board			
Seal	Adopts Water Seal Device And no Salt Fog Overflowing			
Power Supply	AC220V ±10% 50Hz			

WATER DRIP TEST CHAMBER

(IP GRADE: IPX1, IPX2)

IPX1 & X2滴水试验箱 HD-E710-1



DESIGN DRAWING
测试示意图

仪器简介 Product Introduction

IPX1 & X2滴水试验箱适用于考核电工产品，外壳和密封在滴水环境下能否保证设备和元件良好性能的试验。本产品采用科学设计，使该设备能够逼真的模拟仓库漏水等各种环境。

The chamber is used to test the water proof performance of electronic product under water dripping environment.

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	800*800*800mm	1000*1000*1000mm
外箱尺寸 (W*D*H)	1300*1000*1700mm	1500*1200*1800mm
内箱材质	304不锈钢	
外箱材质	不锈钢	
观察窗	防水钢化玻璃	
转盘直径	300mm或500mm	500mm或800mm
转盘转速	3±1r/min, 高度可调	
滴水流量	IP1: 1±0.5mm/min, IP2: 3±1mm/min, 可调	
滴水盘	600*600mm	800*800mm
滴水孔距样品	200mm	
滴水孔直径	0.4mm	
滴水孔间距	20mm	
测试周期	1~999,999min, 可调	
IPX2转盘角度	可倾斜15°	
水箱循环系统	内置水箱回收循环利用	
电源	单相, AC220V, 50Hz	

满足标准 Test Standard

IPX1 & X2, IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

Internal Dimension	800*800*800mm	1000*1000*1000mm
External Dimension	1300*1000*1700mm	1500*1200*1800mm
Internal Chamber Material	Stainless Steel 304	
External Chamber Material	Stainless Steel	
Observation Window	Waterproof Toughened Glass	
Sample Turntable	300mm or 500mm	500mm or 800mm
Rotation Speed	3±1r/min, Height Can Be Adjusted	
Water Drop Speed	IPX1: 1±0.5mm/min, IPX2: 3±1mm/min, 可调	
Dripping Area	600*600mm	800*800mm
Distance From Drip Box To Specimen Surface	200mm	
Water Drop Hole Diameter	0.4mm	
Distance From Water Drop Hole	20mm	
Test Duration	1~999,999min, Adjustable	
Turntable Angle For IPX2	15° Inclined on Either Side of the Vertical in two Mutually Perpendicular Planes	
Water Cycling System	Built-in Water Tank for Recycling	
Power Source	Single-phase, AC220V, 50Hz	

WATER SPRAY TEST CHAMBER

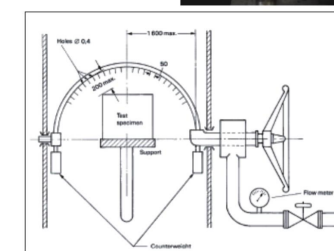
(IP GRADE: IPX3, IPX4)

IPX3 & X4淋雨试验箱 HD-E710-2



DISPLAY PANEL
显示屏

INTERNAL CHAMBER
内箱



DESIGN DRAWING
测试示意图

仪器简介 Product Introduction

IPX3 & X4淋雨试验箱适用于考核电工产品，外壳和密封在淋雨环境下能否保证设备和元件良好性能的试验。喷水摆杆的摆动角度以及喷水流量频率都可自动调节。

The chamber is used to test the water proof performance of electronic product under water spraying environment. The oscillating angle and speed of oscillation tube is adjustable.

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	600*600*600mm	800*800*800mm	1000*1000*1000mm
外箱尺寸 (W*D*H)	1100*800*1500mm	1300*1000*1700mm	1500*1100*1700mm
摆管尺寸	半径200mm	半径300mm	半径400mm
内箱材质	304不锈钢		
外箱材质	不锈钢		
观察窗	防水钢化玻璃		
摆管角度	40°、90°、120°、360°		
摆管速度	IPX3: 一个周期2*120°, 约4秒钟, 可定制 IPX4: 一个周期2*360°, 约12秒钟, 可定制		
喷嘴	直径: 0.4mm,		
喷水孔间距	50mm		
转盘直径	200mm	300mm	400mm
转盘速度	1~3 Cycles/min		
喷水流量	0.07 L/min +5%		
测试周期	1~999,999min, Adjustable		
水箱循环系统	内置水箱回收循环利用		
电源	单相, AC220V, 50Hz		

满足标准 Test Standard

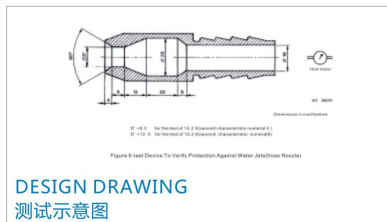
IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

Internal Dimension	600*600*600mm	800*800*800mm	1000*1000*1000mm
External Dimension	1100*800*1500mm	1300*1000*1700mm	1500*1100*1700mm
Oscillating Tube	Radius 200mm	Radius 300mm	Radius 400mm
Internal Chamber Material	Stainless Steel 304		
External Chamber Material	Stainless Steel		
Observation Window	Waterproof Toughened Glass		
Oscillating Angle	40°、90°、120°、360°		
Oscillating Speed	IPX3: 2*120° for 4s IPX4: 2*360° for 12s		
Spray Nozzle	Diameter: 0.4mm,		
Distance Between Two Nozzles	50mm		
Turntable Diameter	200mm	300mm	400mm
Turntable Rotation Speed	1~3 Cycles/min		
Water Flow Of Each Nozzle	0.07 L/min +5%		
Test Duration	1~999,999min, Adjustable		
Water Cycling System	Built-in Chamber Bottom For Recycling		
Power Source	Single-phase, AC220V, 50Hz		

WATER SHOWER TEST CHAMBER

(IP GRADE: IPX5, IPX6)

IPX5 & X6 淋雨试验箱 HD-E710-3



DESIGN DRAWING
测试示意图



仪器简介 Product Introduction

IPX5 & X6 淋雨试验箱适用于考核电工产品，外壳和密封在淋雨环境能否保证设备和元件良好性能的试验。本产品采用科学设计，使得该设备能够逼真的模拟特大暴雨，猛烈喷水等各种环境。

The chamber is used to test the water proof performance of electronic product under water showering environment.

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	600*600*600mm	800*800*800mm	1000*1000*1000mm
外箱尺寸 (W*D*H)	1100*800*3600mm	1300*1000*3600mm	1500*1200*3600mm
内箱材质	304不锈钢		
外箱材质	不锈钢		
观察窗	防水钢化玻璃		
IP等级	IPX5	IPX6	
喷水孔内径	6.3mm	12.5mm	
喷水流量	12.5L/min ± 5%	100L/min ± 5%	
水压力	30kPa	100kPa	
测试周期	0~999h59min		
控制器	PLC触摸屏控制器		
喷水孔距离样品	2.5m - 3m		
水箱循环系统	内置水箱回收循环利用		
转盘直径	200mm	300mm	400mm
转速速度	1~3r/min		
电源	三相, AC380V, 50Hz, 4.5kW		

满足标准 Test Standard

IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

WATER IMMERSION TEST CHAMBER

(IP GRADE: IPX7, IPX8)

IPX7 & X8 浸水试验箱 HD-E710-4



仪器简介 Product Introduction

IPX7&X8浸水试验箱适用于考核电工产品，外壳和密封在浸水环境下能否保证设备和元件良好性能的试验。

The chamber is used to test the water proof performance of electronic product under water immersion environment.

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	直径606*高1000mm	直径820*高1500mm
外箱尺寸 (W*D*H)	直径820*高1500mm	直径1000*高2000mm
箱体材质	304不锈钢, 厚度3mm	
水压	0 ~ 0.5MPa采用空气压缩机	
测试周期	0 ~ 99min, 99sec	
试样提升装置	手提式不锈钢吊篮	
水位显示	刻度加水位管	
控制器	数显压力表和计时器	
电源	三相, AC380V, 50Hz	

满足标准 Test Standard

IPX7 & X8, IEC60529, GB4208, GB2423.23, GB5170.38, GB10485...

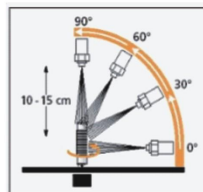
Internal Dimension	Diameter 606 * Height 1000mm	Diameter 820 * height 1500mm
External Dimension	Diameter 820 * Height 1500mm	Diameter 1000 * height 2000mm
Chamber Material	Thickness304,Thickness3mm	
Water Pressure	0 ~ 0.5mpa Adopt Air Compressor	
Test Duration	0 ~ 99min, 99sec	
Sample Lift Device	Portable Stainless Steel Basket	
Water Level Display	Water Pipe With Scale	
Controller	Digital Pressure Gauge & Timer	
Power Source	Three Phase, AC380V, 50Hz	

HIGH TEMPERATURE & PRESSURE WATER TEST CHAMBER (IP GRADE: IPX9K)

IPX9K高温高压喷射试验箱 HD-E710-5



SPRAY NOZZLE & SAMPLE TURNTABLE
内箱喷嘴和转盘



SPRAY DIRECTION & TEST DISTANCE
喷水顺序图和测试距离



SYSTEM OF WATERWAYS FLOW METER
水路系统 流量计



仪器简介 Product Introduction

IPX9K高温高压喷射试验箱适用于考核电工产品，外壳和密封在高温高压喷水环境下能否保证设备和元件良好性能的试验。

The chamber is used to test the water proof performance of electronic product under high temperature and pressure water spraying environment.

技术参数 Technical Parameters

内箱尺寸 (W*D*H)	800*800*800mm	1000*1000*1000mm
外箱尺寸 (W*D*H)	1300*1000*1700mm	1500*1200*1900mm
内箱材质	304不锈钢	
外箱材质	不锈钢	
水温	80±5℃	
水压	80~100bar (8000~10000Kpa)	
喷水孔数	4个	
水流量	14~16L/min	
喷水距离	100~150mm, 高压热喷射	
喷水角度和时间	0°, 30°, 60°, 90°, 每个角度喷水30秒	
转盘速度	5r/min	
水循环系统	内置水箱回收循环利用	
控制器	PLC触摸屏控制器	
水泵	意大利进口高温高压柱塞泵	
电源	三相, AC380V, 50Hz, 12kW	

满足标准 Test Standard

IPX9K, IEC60529, GB4208, GB2423.23, GB5170.38, GB10485, IEC20653...

Internal Dimension	800*800*800mm	1000*1000*1000mm
External Dimension	1300*1000*1700mm	1500*1200*1900mm
Internal Chamber Material	Stainless Steel 304	
External Chamber Material	Stainless Steel	
Spray Water Temperature	80±5℃	
Spray Water Pressure	80~100bar (8000~10000Kpa)	
Spray Nozzle No	4pcs	
Water Flow	14~16L/min	
Spray Water Distance	100~150mm	
Spray Water Angle	0°, 30°, 60°, 90°, Each Angle Spray For 30 Seconds	
Sample Rotation Speed	5r/min	
Water Cycling System	Built-in Chamber Bottom For Recycling	
Controller	PLC Touch Screen	
Water Pump	Italy High Temperature And Pressure Plunger Pump	
Power Source	Three Phase, AC380V, 50Hz, 12kW	

BIOCHEMICAL INCUBATOR 生化培养箱 HD-E803



仪器简介 Product Introduction

生化培养箱广泛用于医疗卫生、防疫检验、生物制药、畜牧研究、环境保护、农业科研等科研部门。

生化培养箱是水体分析、BOD测定、细菌、菌种、微生物的培养、疫苗、血液、各种标本的保存与试验以及植物栽培、育种实验等生物培养的专用设备。

This machine is widely apply to medical treatment public health, epidemic prevention, animal husbandry research, environment protection, agricultural scientific research, and other scientific research department.

Biochemical Incubator is the special equipment of water analyze, BOD testing, germ, stain, cultivation of microorganism and the vaccine, the blood, all kinds of specimens to the preservation of test and plant cultivation, breeding biology cultivation experiment.

技术参数 Technical Parameters

容积 Capacity	70、100、150、250、350、500L可选项(can be customized)
温度控制范围 Temperature Range	5~55℃
温度分辨率 Temperature Resolution	0.1℃
温度波动度 Temperature Fluctuation	±0.3℃
温度均匀度 Temperature Uniformity	±0.8℃
制冷剂 Refrigeration	R600
功率 Power	140W
电源电压 Power Voltage	220VAC 50HZ
内箱尺寸 (W*D*H) Inner Box Size	410*210*730mm
外箱尺寸 (W*D*H) Outside Box Size	520*480*980mm
其它 Other	聚氨酯整体发泡ABS内胆 Polyurethane Foam ABS Liner

DRYING OVEN 干燥箱 (烘箱) HD-E804



仪器简介 Product Introduction

干燥箱 (烘箱) 用于干燥、烘烤、预热各种材料或试片，采用热风循环方式加温分布均匀。

The machine is used to drying, baking and preheating all kinds of materials or specimens. The temperature heating by hot air circulation, more uniformity.

技术参数 Technical Parameters

型号 Model	HD-E804-25	HD-E804-35	HD-E804-45
内箱尺寸 Internal Dimension	250*250*250mm	350*350*350mm	450*450*350mm
外箱尺寸 External Dimension	480*500*500mm	580*670*510mm	680*770*510mm
型号 Model	HD-E804-55	HD-E804-75	HD-E804-100
内箱尺寸 Internal Dimension	550*550*450mm	750*600*500mm	1000*800*800mm
外箱尺寸 External Dimension	820*900*670mm	1020*950*720mm	1330*1150*1020mm
温度范围 Temperature Range	常温~200℃ or 300℃, 可非标定制 RT~200℃ or 300℃, can be customized		
精度 Accuracy	±1%		
电热器 Heater	3kW~4kW		
马达 Motor	14HP		
电源 Power	1~1.5, AC 220V, 14.5A; 1~1.5, AC 220V, 19A		
内胆材质 Liner Material	不锈钢/碳钢 Stainless Steel/Carbon Steel		

VIBRATION TEST SYSTEM WITH TEMPERATURE & HUMIDITY CHAMBER

温湿度三综合振动试验箱 HD-E809



仪器简介 Product Introduction

该系列产品适用于航空航天产品、汽车、新能源、电子仪器仪表、材料、电工、电子产品、各种零部件在温度-湿度-振动三因素综合环境条件下检验其各性能指标，可实现综合环境可靠性试验、可靠性增长试验、可靠性鉴定试验(RQC)、产品可靠性验收(PRAT)、例行试验、应力筛选试验(ESS)等。

The test system adopts test for aerospace products, automotive, electrical appliances and instruments, materials, coatings and other parts under temp. Humidity and vibration environment condition. It's widely used to do environmental endurance test, reliability growth test, reliability qualification test (RQC), product reliability acceptance test (PRAT), routine test, environment stress screening test (ESS) and so on.

满足标准 Test Standard

GB10586, GB10589, GB10592, GB/T2423, IEC68-2-3, IEC68-2-1, IEC68-2-30...

技术参数 Technical Parameters

环境仓技术指标 Environmental Chamber	内箱尺寸 Internal Dimension(W*D*H)	600*600*800mm, 800*700*900mm, 1000*1000*1000mm等, 可定制(Can be Customized)
	温度范围 Temp. Range	0℃, -20℃, -40℃, -70 ~ +150℃
	温度偏差 Temp. Tolerance	≤ ± 2℃
	温度波动度 Temp. Fluctuation	≤ ± 0.5℃
	温度均匀度 Temp. Uniformity	≤ 2℃ (空载 Without Loading)
	湿度范围 Humid. Range	20% ~ 98%RH
	湿度偏差 Humid. Tolerance	≤ ± 3%
	湿度波动度 Humid. Fluctuation	≤ ± 2%
	湿度均匀度 Humid. Uniformity	≤ ± 3%
	升温速率 Heating Rate	3 ~ 5℃/min, 可定制 3 ~ 5℃/min, Can be Customized
	降温速率 Cooling Rate	0.7 ~ 1.2℃/min, 可定制 0.7 ~ 1.2℃/min, Can be Customized
	内箱材料 Internal Material	#304不锈钢 Stainless Steel 304
	外箱材料 External Material	不锈钢或A3钢板喷漆处理 Stainless Steel or Paint Spray
	制冷方式 Cooling Method	单级压缩、复叠式双级压缩 Single-stage Compression, Second-stage Compression
振动试验台技术指标 Vibration Table	冷凝方式 Condensation Method	风冷或水冷 Air-Cooled/ Water Cooled
	操作界面 Operation Panel	可编程液晶触摸屏 Programmable LCD Touch Screen
	运行方式 Running Mode	恒定运转、程序运转 Fix Running, Pattern Running
	程序记忆容量 Program Memory Capacity	120组可编程序, 每个程序最大100段 120 Group Programs, Max. 100 Sections for Each program
	保护功能 Protection Function	具有自诊断和自保护功能, 能够在发生故障时自动报警和停机 Equips self-diagnosis and self-protection function, machine can automatic to send alarm and shut down when failures happen
	位置调整 Position Adjustment	环境舱可定制移动导轨, 支持上下、左右移动 Chamber can be customized to move by guide rail, support up and down, left and right movement
	额定正弦激振力 (peak) Rated Sine Excitation Force	10kN, 20kN, 可定制 10kN, 20kN (Can be Customized)
	额定随机激振力 (rms) Rated Random Excitation Force	10kN, 20kN, 可定制 10kN, 20kN (Can be Customized)
	冲击激振力 (peak) Shock Excitation Force	20kN, 50kN, 可定制 10kN, 50kN (Can be Customized)
	振动方向 Vibration Direction	垂直、水平垂直 Vertical or Horizontal and Vertical
	最大加速度 Max Acceleration	981 m/s²
	额定速度 Rated Speed	2m/s
	频率范围 Frequency Range	5Hz~3000Hz, 5000Hz
	工作振幅 Amplitude	0~51mm
	最大速度 Max Speed	2 m/s
	隔振频率 Vibration Isolation Frequency	2.5Hz
	额定载荷 Rated Load	0~300kg, 可定制 0~300kg (Can be Customized)
	工作台面直径 Working Diameter	Φ 150 mm, Φ 240 mm, 可定制 Φ 150 mm, Φ 240 mm (Can be Customized)
	垂直扩展平台 Vertical Extend Platform	300*300mm, 400*400mm等, 可定制 300*300mm, 400*400mm (Can be Customized)
	水平扩展平台 Horizontal Extend Platform	300*300mm, 400*400mm等, 可定制 300*300mm, 400*400mm (Can be Customized)
	冷却风机 Cooling Fan	功率: 4kw, 风压: 3.5kpa, 流量: 0.33m³/s Power: 4KW, Wind Pressure: 3.5Kpa, Flow: 0.33m³/s
	数字功率放大器 Digital Amplifier	输出功率: 10kVA, 输出电压: 100V, 输出电流: 100A, 谐波失真<1% Output Power: 10KVA, Output Voltage: 100V, Output current: 100A, Harmonic Distortion: <1%

ELECTRO-DYNAMIC VIBRATION TEST SYSTEM

电动振动试验系统 HD-G826



仪器简介 Product Introduction

超高性能、可扩展性测试

电动振动台在力学环境测试中必不可少，扮演着非常重要的角色，为现代化的产品设计、验证、生产提供了振动环境模拟试验平台。HD利用最先进的振动控制器，基于闭环控制，推出了国内一流性能的电动振动试验系统。该系统能够准确地复现真实的振动激励对产品可靠性的影响，广泛应用于航空航天、电子、汽车、包装运输、高校科学研究等行业。

风冷系列电动振动试验系统涵盖了单轴向到多自由度，推力从3KN到50KN的多个型号电动振动台。该系列振动台具有可靠性高，工作频率宽，占地面积小，移动方便，操作维护简单等特点，为您的振动环境试验提供新的选择。

High Performance, Extended Test

Electro-dynamic Vibration test machine plays an important role in environmental testing. It provides a simulated testing area for product design, assumption and production. Haida adopts advanced vibration controller, based on the closed-loop system control. The system can accurately reproduce the actual vibration on products reliability test, it's applicable for industries like electronic, automotive, aerospace, aviation, etc.

Air-cooled electro-dynamic vibration test system is covered single-axis from multi-dof and provides models with wide range force output from 3kn to 50kn. The series of test machine is highly reliable, wide working frequency, very small occupied area, convenient transportation, easy operation and etc., it provides more option for your vibration test.

电动振动试验系统参数表 Parameter

系统型号 Model	HD-G826-300	HD-G826-600	HD-G826-1000	HD-G826-2000	HD-G826-3000	HD-G826-5000
正弦推力 Peak(kN)Sine Force	2.94	5.88	9.8	19.6	31.36	53.9
频率范围(Hz) Frequency range	5~4000	5~3500	5~3000	5~2500	5~2500	5~2500
最大位移(mm) Max. displacement	25.4	51	51	51	51	51
最大速度(m/s) Max. speed(m/s)	2					
最大加速度(m/s²) Max. acceleration(m/s²)	981					
动圈直径(mm) Moving-coil diameter(mm)	150	200	240	320	320	445
运动部件等效质量(kg) Moving part mass(kg)	3	6	10	22	32	55
一阶共振频率(Hz) First-order resonant frequency(Hz)	2800	3000	2500	2400	2100	2000
台面螺钉尺寸(标准) Screw dimension (standard)	M8	M8	M10	M10	M10	M12
轴向隔离频率(Hz) Axial isolation frequency(Hz)	<3					
最大载荷(kg) Max. load(kg)	120	300	300	300	500	1000

功放型号 Amplifier model	VSA-H402A (300)	VSA-H802A (600)	VSA-H123A (1000)	VSA-H243A (2000)	VSA-H323A (3000)	VSA-H563A (5000)
最大输出功率(kVA) Max. output power(kVA)	4	8	12	24	32	56
信噪比(dB) Signal to noise ratio(dB)	>65					
额定输出电压(Vrms) Rated output voltage (Vrms)	120					
功放功率 Amplified power	>95%					
系统保护 Protection	具有多种性能保护 Multi-protection for performance					

风机型号 Ventilation model	PBL-W03 (300)	PBL-W03 (600)	PBL-W03 (1000)	PBL-W03 (2000)	PBL-W03 (3000)	PBL-W03 (5000)
风机功率(kW) Power(kW)	0.75	4	4	7.5	15	15
风量(m³/s) Air volume(m³/s)	0.2	0.3	0.356	0.68	0.66	1.36
风压(kg/cm²) Wind pressure(kg/cm²)	0.015	0.048	0.058	0.059	0.075	0.08
风道直径(mm) Air horse diameter(mm)	120	120	120	200	200	200

系统工作环境要求 Working environment	HD-G826-300	HD-G826-600	HD-G826-1000	HD-G826-2000	HD-G826-3000	HD-G826-5000
温度(℃) Temperature(℃)	0 ~ 40					
湿度 Humidity	0 ~ 90%，不结霜 without frost					
电源要求 Power	3相 Three phase AC, 380V ± 10%, 50Hz, 7kVA	3相 Three phase AC, 380V ± 10%, 50Hz, 16kVA	3相 Three phase AC, 380V ± 10%, 50Hz, 26kVA	3相 Three phase AC, 380V ± 10%, 50Hz, 40kVA	3相 Three phase AC, 380V ± 10%, 50Hz, 65kVA	3相 Three phase AC, 380V ± 10%, 50Hz, 90kVA
压缩空气要求(Mpa) Required compressed air(Mpa)	0.6					
选购设备Optional accessories						
○水平滑台 Horizontal Slider		○移动装置 Moving Device		○垂直扩展台面 Vertical extended table		○隔热板 Isolated plate
○夹具 Clamp						

FORMALDEHYDE TEST CHAMBER

甲醛气候箱 HD-F801-3



仪器简介 Product Introduction

本产品适用于各种人造板、复合木质地板以及地毯、地毯衬垫、地毯胶粘剂等室内装饰材料甲醛释放量的测定，可用于其它挥发性有害气体的检测。可最大限度的模拟室内气候环境，检测结果更贴近现实环境，因而真实、可靠。

工作原理 Working principle

将1m²表面积试样放入温度、相对湿度、空气流速和空气置换率控制在一定值的试验箱内。试样释放出甲醛，与箱内空气混合，抽取箱内空气，将抽出的空气通过蒸馏水，甲醛溶入水中；从而计算出每立方米空气中的甲醛量。

Machine Introduction: it is used to test formaldehyde emission of various wood-based panel, composite wood flooring, carpet, carpet padding, and other interior decoration materials, also other building materials under constant temperature humidity.

Put the sample into 1 square meter test chamber, under specify temperature, humidity, air velocity. The formaldehyde will be released from samples and mixed with air in chamber. The air will be drawn through the absorption bottle is filled with distilled water, all the formaldehyde in air dissolve in the water; measure the amount of formaldehyde in the absorption solution and extraction of air volume, and show it by micrograms per cubic meter (mg/m³).

设计标准 Design standard

GB18580-2017, GB18584, GB18587-2001, GB17657-2013, GB50325-2010 (2013 年版), ASTM D6007-14, EN 717-1, ASTM D6007-2, GB/T 31107-2014, SJJG52-2016...

技术参数 Technical Parameters

型号	HD-F801-3
外形尺寸 (W*D*H)	1630*1200*1850mm
箱内容积	1.0 ± 0.02m³
温度范围	10~40℃, 精度: ± 0.5℃, 分辨率: 0.1℃, 连续可调
湿度范围	30~80%, 精度: ± 3%, 分辨率: 0.1%, 连续可调
密封性	当有1000Pa的过压时, 气体泄漏少于10~3 × 1m³/min, 进出口气体流量差 < 1%
本底浓度	甲醛 ≤ 0.006mg/m³
箱内空气流速	0.1~2m/s, 精度: ± 0.05m/s, 连续可调
工作时间	气候箱连续工作时间不小于40天
空气置换率	0.2~2m³/h, 精度: ± 5%, 连续可调

Model	HD-F801-3
Dimension	1630*1200*1850mm
Inner volume	1.0 ± 0.02m³
Temp. range	10~40℃, accuracy: ± 0.5℃, Resolution: 0.1℃, Adjustable
Humid. range	30~80%, accuracy: ± 3%, Resolution: 0.1%, Adjustable
Leakproofness	1KPa relative pressure, leakage rate < 10~3 × 1m³/min, import and export air differ < 1%
Background levels	formaldehyde ≤ 0.006mg/m³
Air flow	0.1~2m/s, accuracy: ± 0.05m/s, Adjustable
Working time	not less than 40 days
Air replacement rate	0.2~2m³/h, accuracy: ± 5%, Adjustable

配置清单 Configuration list

标配: 主机一台、抽气管、吸收瓶、气体采样器

选配: 分光光度计, 水浴锅, 药剂, 玻璃仪器, 标准溶液, 天平

Standard: test chamber, sampling tube, absorption bottle, gas sampler

Optional: spectrophotometer, water bath, medicament, glass apparatus, standard solution, balance

产生甲醛的物品有哪些? What are the products that produce formaldehyde?



纺织布
extile cloth



涂料
coating



皮革制品
fur product



油漆添加剂
paint additive



地板
floor

危害: 长期接触低剂量甲醛, 能引起慢性中毒, 引发呼吸系统、神经系统、生殖系统等疾病。

Damage: Long-term exposure to low dose formaldehyde can lead to chronic poisoning, and cause disease in respiratory system, nervous system, reproductive system and so on.

售前服务 Pre-sales Service



仪器专业培训

Training



与客户沟通

Lab Consultant Service



展示仪器解决方案

Test Solution Presentation



生产基地考察

Production Facility Investigation

研发过程 R&D Process



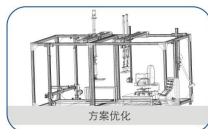
研发会议

R&D Conference



工程制图

Design Drawing



方案优化

Proposal Optimization



客户确认

Customer Confirmation

服务体系流程

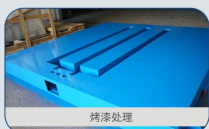
Customer Service Process

生产组装 Production & Assembly



电焊处理

Welding Process



烤漆处理

Paint Baking Process



仪器组装

Equipment Assembly



仪器调试

Equipment Debugging

调试检验 Debugging Inspection



软件测试

Software Debugging



样品测试

Sample Testing



配件检验

Component Inspection



数据校准

Data Calibration

技术培训 Technical Training



售后人员技术培训

Technician Training



计量院专业鉴定培训

Measurement Institutes Professional Training



越南BV现场技术培训

Bv Vietnam Onsite Training



华南农业大学技术培训

SCAU Technical Training

仪器维护 Instrument Maintenance



售后服务团队

Technical Support Team



仪器交付确认

Customer Inspection Acceptance



Intertek现场培训

Intertek Onsite Training

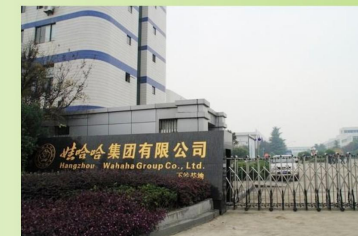


Intertek保养维护

Intertek Onsite Support

知名企业客户

娃哈哈、汇源集团、思念食品、旺旺集团、中粮集团、立白集团、福建达利集团、盼盼食品、李锦记、嘉里粮油、光明乳业、雨润集团、蒙牛集团、伊利集团、康师傅、中国石化、金锣肉制品集团、九阳小家电、美的集团、格力集团、海信集团、康佳集团、海尔集团、以纯集团、华芳集团、万宝集团、长虹集团、龙光集团、两面针集团、金立手机、长城计算机集团、金河田实业、安姆科集团、伟易达集团、富士康集团、长城汽车、比亚迪、太太药业、哈药集团、霸王集团、顺丰快递、耐克、雪花啤酒、金威啤酒、哈尔滨啤酒、青岛啤酒、生力啤酒、燕京啤酒、中国石油、常州铭赛机器人、河北汉光重工、山西飞虹微米光电、武汉航达航空科技、天瑞集团



橡塑、五金、电子企业客户

东芝家用电器、深圳市晨宇丰工程塑胶、广州锋达橡胶、东莞宇益塑胶制品、建兴塑胶五金制品、恒源昌五金塑胶制品、东莞创城塑胶工业、银燕塑胶容器、宝豪塑胶五金制品、伟豪塑胶五金制品、汕头健生塑胶制品、宝龙塑胶厂、东莞力嘉塑胶制品、江门益益硅胶厂、新乡市西满塑料制品、焦作润泰塑胶、佛山立章塑料包装、天津西祥塑料制品、中山冠麟塑胶、昆明恒裕塑胶、佛山市宝龙实业、固安名仕塑胶包装、北京好运兴塑料制品、广州宝意塑胶包装制品、百利电子塑胶、柳州中天塑胶、银燕塑胶容器、卓益塑胶制品、吉林金拓塑料、日清五金塑胶、深圳市晨宇丰工程塑胶、创城塑胶工业、富怡塑胶实业、广州钰鑫环保塑胶、惠州建邦精密塑胶、盛嘉伦橡胶工业、聚星塑胶制品、深圳天众塑胶、万泰橡胶、晋勇橡胶工业、广州高伟金属制品、东莞佑辉五金、佛山益晖五金、江门丰润五金制罐、沧州威克特五金制品、金荣华乐金属制品、中山骏伟金属制品、广州宝利五金电器、卡士莫实业、奥仕达主力电器、英威腾电气股份、中山市松井电器、国光电器股份、广州市显华家电、利民电器、艾礼富电子、嘉冠华电子、德州泓淋电子、重庆嘉皇汽车配件、四川蓝实汽车零部件、武汉力登维汽车部件、柳州长鹏汽车部件、昆山小小恐龙儿童用品、中山市集美玩具厂、圣得贝儿童用品、美泰玩具集团、镇泰玩具厂、深圳莱恩乐日用品、展发TCN塑胶玩具、苏州威凯儿童用品



质检所、科研院校客户

东莞质量监督检测、东莞检验检疫局、SGS、深圳天祥 (Intertek)、莱茵检测 (TUV)、华测检测 (CTI)、广州威凯检测 (CVC)、谱尼测试 (PONY)、惠州质检所、惠州质量计量监督检测所、东莞中堂政府采购中心、厦门质检所、漳州质检所、三明质检所、永州质检所、南京市产品质量监督检验院、湖南省质量技术监督局、玉环县质量技术监督检测中心、金华市粮油饲料产品质量监督检验站、无锡市产品质量监督检验中心、太仓市计量测试检定所、香港标检、国家皮革质量监督检验中心、北京铁道研究院、浙江省质量检测科学研究院、中国船舶重工第725研究所、航空动力机械研究所、华东理工大学苏州工业技术研究院、苏州工业园区新国大研究院、江南石墨烯研究院、重庆绿色智能技术研究院、苏州市职业大学机电工程学院、中南大学、厦门大学、福建农林大学、福州大学、福建工程学院、中国矿业大学、上海理工大学、西北工业大学、深圳大学、苏州大学、清华大学、华南理工大学、中国人民大学、哈尔滨工业大学、西安交通大学、浙江大学、华中科技大学



注：以下仅为海达国际仪器部分合作成功案例，排名不分先后！