KSON®
INSTRUMENT TECHNOLOGY

自然对流试验机(NC OVEN)
Natural Convection Oven Chamber



www.kson-cn.com

Advanced Technology
科技创新技术

产生无循环风扇的温度环境(自然对流)，满足IEC 68-2-2-2007、GB2423.2规范的试验要求，针对待测品进行相关热传导与热分析之温度测试整合试验，可适用於相关电子产品在无强制对流实际环境下的性能评估。

Create Temperature Environment With No Circulation Fan (Natural Convection), Satisfy Test Requirements Under Specifications Of IEC 68-2-2-2007 And GB2423.2, Conduct Temperature Integrated Tests Of Relevant Heat Conduction And Heat Analysis On Articles To Be Tested, Applicable To Evaluate The Performance Of Relevant Electronic

自然对流加热无强制对流组件
模拟真实热测试环境，避免风循环将热量带走，高估待测品散热效益。
Simulate Real Heat Testing Environment, In Case That Heat Is Removed By Wind Circulation And Heat Dissipation Benefits Of Articles To Be Tested Are Overestimated.

独家技术－随插即用热分析
直觉侦测待测品各点温度并进行热分析。
Intuitively Sense Temperatures At Each Spot Of Articles To Be Tested And Make Heat Analysis.

3D断热层+发热量分析模式
阻隔热挥发搭配发热量分析模式，预估产品热能改善效益。
Heat Dissipation Resistance Plus Caloricity Analysis Mode Estimates Heat Improving Benefit Of Products.

智慧型高科技控温技术
透过P.I.D+P.W.M+S.S.R+Fuzzy控制架构，提供最佳之分布均匀性。
Provide Optimal Uniformity Of The Distribution Via P.I.D+P.W.M+S.S.R+Fuzzy Control Frame.

全方位数位控制电源
可程式设定电源开闭，进行通电下热点判定，试验结束自动关闭电源。
Power Supply Switching Is Programmable To Judge Hot Spots While It Is Energized And Automatically Switch Off Power Supply After The Test.

终极安全保护机制
多重安全装置保护待测品发生过热现象(数位、电子、机械、警急抽排风、时序断电)。
Multiple Safety Devices Protect Articles To Be Tested From Overheating (Digital, Electronic, Mechanical, Emergency Pumping Exhaust, Timing Power-off).

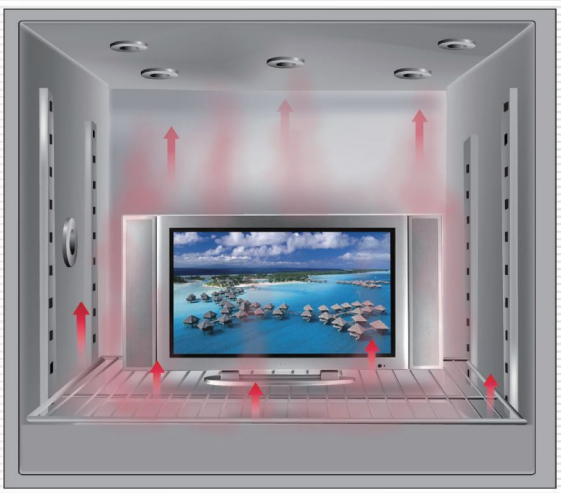
热电偶合温度线
Thermocouple temperature curve

RS-232

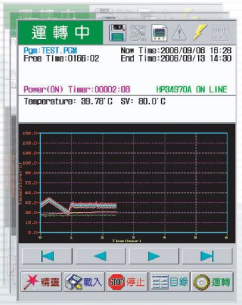


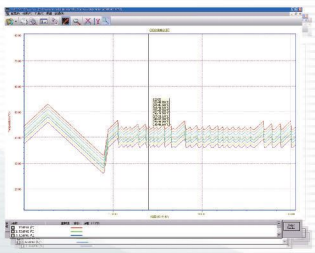
量测待测品表面温度
Measure Surface Temperature Of Articles To Be Tested.





热辐射扩散装置加热系统
无风强制循环装置，风速<0.3m/s，符合无风标准
Heating System Of Thermal Radiation Diffusion Has No Forced Wind Circulation Device, Wind Speed <0.3m/s, Satisfying No Wind Requirement.





温度分布均匀度依照 JTM K07

试验曲线即时观看
View Testing Curve In Real Time



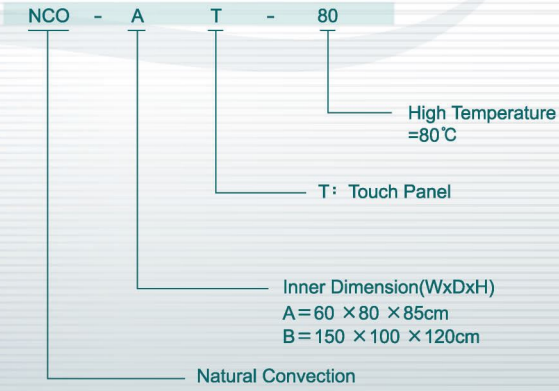
可扩充三组时序插座
Programmable Controlling Timing Junction

自然对流试验机规格表 NC OVEN Chamber System

规　格		NC OVEN-A						NC OVEN-B					
内箱尺寸(Inside Dimensions(W・D・H)cm)		60 ×80 ×85						150 ×100 ×120					
外箱尺寸(Outside Dimensions(W・D・H)cm)		111 ×98 ×149						201 ×115 ×184					
内容积(Inside Capacity) / 公升(Liter)		408L						1800L					
热负载(Heat Load) *注一	温度（Temperature℃）	30	40	50	60	70	80	30	40	50	60	70	80
	可承受热负载W	50	360	420	350	210	50	250	750	1200	900	690	270
加热方式(Heating Mode)		热辐射扩散装置 Precise Heating System											
温度范围(Temperature Range)		(RT+5℃)～80℃											
温度分布偏差(Temperature Variation ℃)		±2℃											
升温时间(Heating Time (20℃-H.T.)min)		60分钟内(室温～70℃)/70分钟内(室温～80℃) Within 60 Minutes (Room Temperature~70℃) / Within 70 Minutes (Room Temperature~80℃)											
控制精度(Control Accuracy)		±0.5℃(稳定後30min) ±0.5℃(30min After The Stabilization)											
解析度(Resolution)		0.01℃											
控 制 器(Controller)		8.4寸彩色直立式触控TFT繁简英显示微电脑控制器 Microcomputer Controller With a 8.4" Upright Color TFT Touch Screen											
资料拷贝方式(Data Copy Mode)		标准配备： USB2.0(400m/s) Standard configuration: Disk drive & USB2.0 (400m/s)											
温度感知器(Temperature Sensor)		多组温度感知器入力JIS（RTD）PT-100 OHM（白金） Multi-sets Of Temperature Sensor Input JIS（RTD）PT-100 OHM (Platinum)											
观测试窗材质(Material Of The Sight Window)		玻璃 Glass											
内箱材料(Internal Material)		SUS＃304不锈钢钢板 Stainless Steel Plates SUS＃304											
外箱材料(External Material)		SUS＃304+＃9493粉体涂装 SUS＃304 + ＃9493 Surface Treatment											
保温材质(Heat Preservation Material)		PU发泡断热材质 PU Foam Heat-isolation Material											
测试孔(Test Hole)		5/10公分测试孔 5/10 cm Test Hole											
安全装置(Safety Device)		警急抽风装置、漏电断路器、後卫高温保护器、空焚防止保护器 外部安全保护检知介面、安全保护警备出力、排风孔 Emergent Air Exhaust Device, Leakage Breaker, Standby High-temperature Protector, Empty-heating Prevention Protector, External Safety-protection Detection Interface, Safety-protection Alarm Output, Air Outlet											
标准装备(Standard Equipment)		不锈钢栅盘一片、使用说明书、保养手册 A Grid Disk Of Stainless Steel, Operating Instructions, Maintenance Manual											
通信机能(Communication Function)		RS-232											
电 源(Power Source)		AC 220V 单相 2W+E;AC 380V 三相 4W+E											

※扩充(Optional Accessories):时序插座(Power Supply Socket)、数位式资料收集器(Digital Data Collector)
※以上规格，请以实体报价为主，最终解释权归本公司所有
For Above Accessories, Their Actual Specifications May Vary. The Right Of Final Interpretation Belongs To Our Company.
※注一：在25℃环境下测量

Model Code



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昆山庆声电子科技有限公司

昆山 江苏省昆山市周市镇339省道518号

TEL：(0512)57764900

FAX：(0512)57764100

E-mail：kson@kson.cn

设备咨询与售后服务

新设备询价，快扫公众号二维码

-营业项目-

恒温恒湿机（标准型/超低湿型/等温型/太阳能专用/光显示器专用）/KESS应力筛选试验机/冷热冲击机（三箱气体式/二箱移动式）/热应力复合机/自然对流试验机/恒温恒湿室/高压加速寿命试验机/复合型环境试验机/智慧型高阻计/超高阻计/精密温湿度计/切换式超高电阻箱/导通电阻量测系统/数位收集系统/高速离子迁移量测系统/表面绝缘电阻量测系统/e化管理系统/预烧室/实验室机台管理系统/

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