

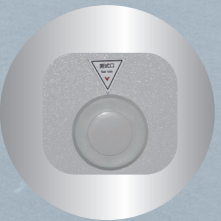
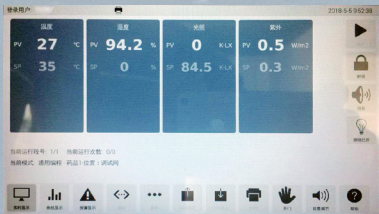
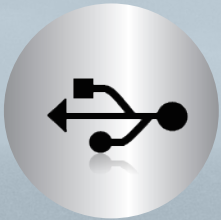
综合药品稳定性试验箱

General Drug Stability Test Chamber

产品特点

Product description

- ◆LCD液晶触摸屏，超大7寸TFT24位真彩色高清显示；
- ◆触摸式操作，让实验操作更简单；
- ◆模糊PID控制，程序化多段数参数设置：32个自定义程序模式，每个模式可设置30段；
- ◆操作系统基于LINUX系统平台上配合大容量内存空间以及高频CPU；
- ◆故障自动检测显示；
- ◆数据存储功能，可保存10年数据记录和日志；
- ◆可查看仪器历史记录数据或实时曲线；
- ◆快速升级系统，USB接入直接更新系统程序；
- ◆完善保护功能：漏电保护、超温限定报警且保护、门开报警、缺水报警、传感器故障报警；
- ◆用户权限分级：管理员最多可创建10个用户并分配不同权限，可实现多级管理；
- ◆审计追踪日志：可对设备的运行数据、操作日志和报警日志进行记录，可通过U盘导出不可更改的PDF文件或原始文件；
- ◆电子签名：所有操作日志都记录了操作人员并唯一对应且可追溯；
- ◆玻璃内部观察门设计；
- ◆外加湿系统，湿度控制更稳定且节约用水；
- ◆外门防雾装置，可避免玻璃门结露产生冷凝水；
- ◆变频式制冷系统，开门后温湿度快速恢复；
- ◆屏保密码锁功能防止随意操作；
- ◆10点温度修正功能，避免多点温度线性不匹配；
- ◆采用LED冷光源且光照度无极可调，可多层单独控制；
- ◆可选配LED近紫外灯且紫外辐射度无极可调，可多层单独控制；
- ◆可实时打印和记录温度、湿度、光照度、紫外辐射度值；
- ◆可满足化学药物（原料药和制剂）稳定性研究技术指导原则中光照试验的总照度不低于1.2×10⁶Lux·hr、近紫外能量总量不低于200w·hr/m²的试验要求；
- ◆设备配置USB接口、RS232接口、RS485接口和U盘；
- ◆设备标配机械锁；
- ◆设备标配嵌入式打印机，可根据设定日期进行打印，避免换纸造成的数据丢失；
- ◆选配：GPRS短信报警、FDA电脑监控、指纹解锁、无线温度或温湿度记录仪。



- ◆LCD touch screen, 7 inch TFT24-bit true color display.
- ◆Touch operation makes the experiment operation easier.
- ◆Fuzzy PID control, programmable multi-segment parameter setting: 32 custom program mode, each mode can be set 30 segments.
- ◆Operation system based on LINUX system with large-capacity memory and High frequency CPU.
- ◆Automatic fault detection and display.
- ◆Data storage function, can save 10 years data records and logs.
- ◆Instrument data records or real time curve can be viewed.
- ◆Easy upgrade system, USB access directly update system program.
- ◆Protection function: leakage protection, over temperature limit alarm and protection, door open alarm, water shortage alarm, sensor fault alarm.
- ◆User permission classification: administrator can create up to 10 users and assign different permissions, can achieve multi-level management.
- ◆Audit tracking log: the running data, operation log and alarm log of the device can be recorded, and the PDF file or original file that can not be changed can be exported by U disk.
- ◆Electronic signature: all operation logs record the operator and are unique and traceable.
- ◆Glass observation inner door design.
- ◆External humidification system, humidity control more stable and save water.
- ◆External door anti-fogging device, to avoid fog on the glass door and condensate into water.
- ◆Frequency conversion refrigeration system, rapid recovery of temperature after opening the door.
- ◆Screen saver password lock function to prevent arbitrary operation.
- ◆10 temperature points correction function to avoid multi-point temperature linear mismatch.
- ◆LED cold light source, illumination can be adjusted stepless, each shelf can be controlled separately.
- ◆Optional LED near UV lamp and UV radiance can be adjusted stepless, each shelf can be controlled separately.
- ◆Temperature, humidity, illumination, UV radiance can be printed and recorded in real time.
- ◆Can meet the test requirement in chemical drugs (drug and preparation) stability research technical guiding principle that the total illuminance of Illumination test not less than 1.2×10⁶Lux·hr, and the total energy in the near UV energy not less than 200w·hr/m².
- ◆USB interface, RS232 interface and RS485 interface are standard configuration.
- ◆Equipped with mechanical lock.
- ◆Equipped with embedded printer, can be printed according to the set date, to avoid the loss of data caused by paper change.
- ◆Optional: GPRS SMS Alarm, FDA computer monitoring, fingerprint unlock, wireless temperature or humidity recorder.



技术参数 Parameters

型号 Model			LT-CDX200/300/400	LT-CDX800/1000/1600
温度 Temperature	无加湿、无光照	No Humidifying, No Lighting	0℃~70℃	
	有加湿、无光照	Humidifying, No Lighting	10℃~60℃	
	无加湿、有光照	No Humidifying, Lighting	10℃~70℃	
	有加湿、有光照	Humidifying, Lighting	15℃~60℃	
	均匀度(25℃)	Uniformity (25℃)	±0.8℃	±1.5℃
	波动度(25℃)	Fluctuation (25℃)	±0.5℃	
相对湿度 Relative Humidity	湿度范围	Humidity Range	15~98%RH	20~98%RH
	波动度	Fluctuation	±3%	
光照 Illumination	光照度范围	Illumination Range	0-10000LX	
	光照度偏差	Illumination Deviation	±500LX	
	光色温	Color Temperature	6500K	
电气指标 Electrical Indicator	电源电压	Supply Voltage	AC 220V 50HZ	
	输入功率	Input Power	1850W/2000W/2000W/3050W/3150W/3350W	
规格 Specification	外壳尺寸(mm)	Overall Size (mm)	669×772×1444 669×822×1794 750×910×1820 1503×910×1820 1503×1006×1820 1503×1186×2068	
	内胆尺寸(mm)	Chamber Size (mm)	506×400×750 506×450×1100 610×585×1123 1220×585×1123 1363×670×1123 1363×850×1380	
	容积	Volume	150L/250L/400L/800L/1000L/1600L	
	标配隔板	Shelf	3/3/3/6/6/6	
	标配搁板式光照模块	Shelf Type Illumination Module	1	
材料 Material	外壳材料	Outer Case Material	Q235A 冷轧钢板 Q235A Cold-rolled Steel	
	内胆材料	Chamber Material	SUS304	

选配紫外控制系统 UV control system as optional

紫外 UV	紫外幅度值	UV Amplitude	0-2W/m²
	紫外光谱范围	UV Spectral Range	320-400nm

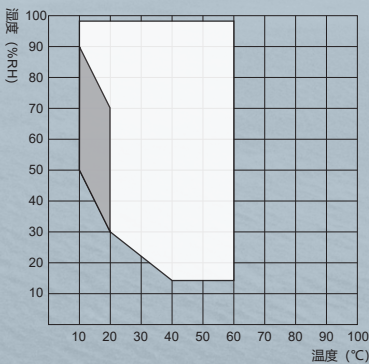
LT-CDX200/300/400单开门，LT-CDX800/1000/1600双开门。

LT-CDX800/1000/1600 are double-door design.

说明：所有技术数据均在环境温度25℃，相对湿度70%，电压波动度±10%下的标准设备测试。本公司随时保留更改技术规格的权利。

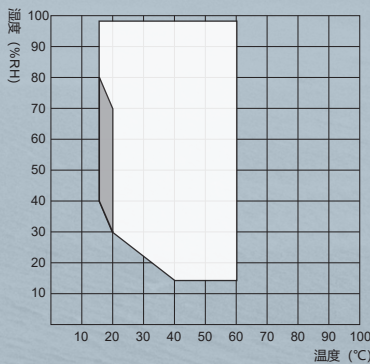
Note: All technical data are measured on the standard equipment at an ambient temperature of 25℃, relative humidity of 70% and voltage fluctuation of ±10%. The company reserves the right to change technical specifications.

温湿度控制范围图（无光照时）：



代表化霜区（化霜时温湿度波动大）

温湿度控制范围图（有光照时）：



代表无霜区