

多功能扩展箱

Multifunction Scalable Test Chamber

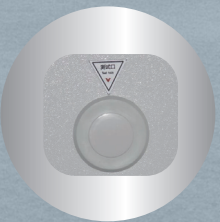
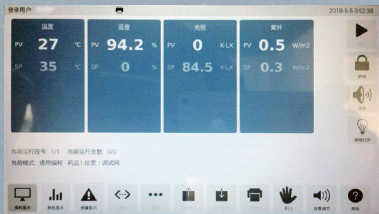
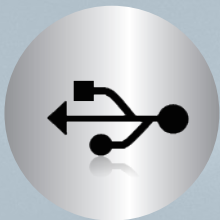
产品特点

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、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；
- ◆外门防雾装置，可避免玻璃门结雾产生冷凝水；
- ◆变频式制冷系统，开门后温度快速恢复；
- ◆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；
- ◆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, 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 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.
- ◆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.



07-08

LEAD-Tech(SHANGHAI)

SCIENTIFIC INSTRUMENT CO.,LTD



可扩展系统 Scalable System

名称 Name	配置 Configuration	特点 Characteristics
湿度控制系统 Humidity control system	进口高精度湿度传感器、水位传感器、加湿水箱、加湿电热管等全套湿度控制系统 Import high precision humidity sensor, water level sensor, humidifying water tank, humidifying electric heating pipe	缺水报警功能； Water shortage alarm; 湿度上下限报警功能。 Humidity upper and lower alarm function.
光照控制系统 Illumination control system	搁板式光照模块：包括光照度传感器、驱动模块、一层搁板式光照等全套光照控制模块，多层可单独控制（最多4层） Illumination Module Shelf: Illumination sensor, driving module, and 1 group illumination shelf (each shelf can be controlled separately, up to four shelves)	光照度无级可调，可定时运行时间，当总量值达到后自动关闭LED灯； Illuminance is stepless adjustable, and the running time can be timed. When the total value is reached, the LED lamp is automatically turned off; 光照值仪表实时显示，支持打印； Illumination value is displayed in real-time and can be printed; 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1.2×10 ⁶ Lux·hr的试验要求。 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 1.2×10 ⁶ Lux·hr.
	搁板式光照光源 Illumination Source Shelf	光照度随模块自动调节，不可显示，不可打印 Illuminance is adjusted with module, it can not be displayed in real-time or printed.
紫外控制系统 UV control system	搁板式紫外模块：包括紫外幅度值传感器、驱动模块、一层搁板式紫外等全套紫外控制模块，多层可单独控制（最多4层） UV Module Shelf: UV amplitude sensor, driving module, and 1 group UV shelf (each shelf can be controlled separately, up to four shelves)	控制器带有紫外辐射值总量计算器，当总量值达到后自动关闭紫外灯； With UV amplitude total value calculator. When the total value is reached, the UV lamp is automatically turned off; 紫外值仪表实时显示，支持打印； UV value is displayed in real-time and can be printed; 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近紫外能量总量不低于200w-hr/m ² 的试验要求。 Can meet the test requirement in chemical drugs (drug and preparation) stability research technical guiding principle that the total energy in the near UV energy not less than 200w-hr/m ² .
	搁板式紫外光源 UV Source Shelf	紫外幅值随模块自动调节，不可显示，不可打印 UV Amplitude is adjusted with module, it can not be displayed in real-time or printed.

基础款技术参数 Basic Type Technical Parameters

型号 Model			LT-BIX200LS/300LS/400LS	LT-BIX800LS/1000LS/1600LS
温度 Temperature	温度范围	Temperature Range	0℃~70℃	
	均匀度(25℃)	Uniformity (25℃)	±1℃	±2℃
	波动度(25℃)	Fluctuation (25℃)	±0.5℃	
电气指标 Electrical Indicator	电源电压	Supply Voltage	AC 220V 50HZ	
	输入功率	Input Power	1150W/1150W/1250W/2100W/2200W/2400W	
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	
	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	

多功能扩展箱

Multifunction Scalable Test Chamber

湿度扩展款技术参数 Basic Plus Humidity Type Technical Parameters

型号 Model			LT-BIX200LS/300LS/400LS	LT-BIX800LS/1000LS/1600LS
温度 Temperature	温度范围(无加湿)	Temperature Range (No Humidifying)	0℃~70℃	
	温度范围(有加湿)	Temperature Range (Humidifying)	10℃~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%	
电气指标 Electrical Indicator	电源电压	Supply Voltage	AC 220V 50HZ	
	输入功率	Input Power	1750W/1800W/1800W/2700W/2800W/3000W	

光照（紫外）扩展款技术参数 Basic Plus Illumination (UV) Type Technical Parameters

型号 Model			LT-BIX200LS/300LS/400LS	LT-BIX800LS/1000LS/1600LS
温度 Temperature	温度范围(无光照)	Temperature Range (No lighting)	0℃~70 ℃	
	温度范围(有光照)	Temperature range (Lighting)	10℃~70 ℃	
	均匀度(25℃)	Uniformity (25℃)	±1℃	±2℃
	波动度(25℃)	Fluctuation (25℃)	±0.5℃	
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	
紫外 UV	紫外幅度值	UV Amplitude	0-2W/m²	
	紫外光谱范围	UV Spectral Range	320-400nm	
配置 Configuration	搁板式光照（紫外）（最多） （至少含一组模块）	Illumination (UV) Shelf (max.) (at least 1 group module)	3/3/3/6/6/8	
电气指标 Electrical Indicator	电源电压	Supply Voltage	AC 220V 50HZ	
	输入功率（1组模块）	Input Power (1 group module)	1250W/1400W/1400W/2400W/2500W/2800W	

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湿度+光照（紫外）扩展款技术参数

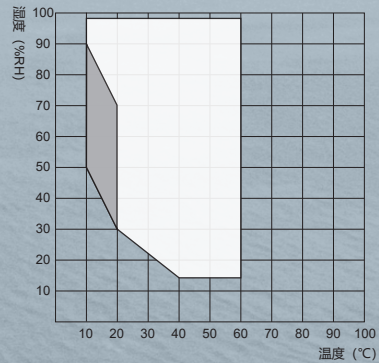
Basic Plus Humidity & Illumination (UV) Type Technical Parameters

型号 Model			LT-BIX200LS/300LS/400LS	LT-BIX800LS/1000LS/1600LS
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	
紫外 UV	紫外幅度值	UV Amplitude	0-2W/m²	
	紫外光谱范围	UV Spectral Range	320-400nm	
配置 Configuration	搁板式光照（紫外）（最多） （至少含一组模块）	Illumination (UV) Shelf (max.) (at least 1 group module)	3/3/3/6/6/8	
电气指标 Electrical Indicator	电源电压	Supply Voltage	AC 220V 50HZ	
	输入功率（1组模块）	Input Power (1 group module)	1850W/2000W/2000W/3050W/3150W/3350W	

LT-BIX200LS/300LS/400LS单开门，LT-BIX800LS/1000LS\1600LS双开门。
LT-BIX800LS/1000LS\1600LS is double-door design.

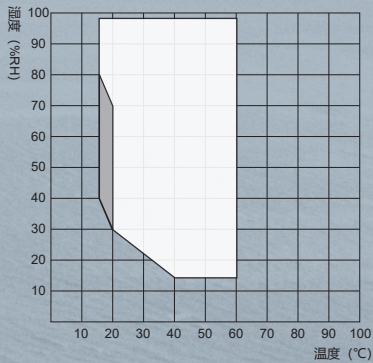
说明：所有技术数据均在环境温度25℃，相对湿度70%，电压波动度±10%下的标准设备测试。本公司随时保留更改技术规格的权利。
Note: All technical data are measured on the standard equipment at an ambient temperature of 25 ℃ , relative humidity of 70% and voltage fluctuation of ±10%. The company reserves the right to change technical specifications.

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