

SOLARBOX

Models 1500e RH and 3000eRH

Accelerated xenon light fastness and weathering test chambers

SOLARBOX 氙灯耐光色牢度和气候加速老化仪

1500e RH 型和 3000e RH 型

The worldwide known SOLARBOXe light fastness testers are now available also in the RH series allowing Relative Humidity Control.

世界著名的 SOLARBOXe 系列耐光色牢度仪在新推出的 RH 系列也具备了相对湿度控制的功能。

SOLARBOXe RH represent a breakthrough in small light fastness testers.

SOLARBOXe RH 系列是小型光老化测试仪的划时代标志。

SOLARBOXe RH are the first small testing instruments allowing simulation and control of all weathering parameters like expensive xenon instruments.

SOLARBOXe RH 耐光色牢度仪是第一台小型的可以模拟和控制所有气候参数的试验仪器，类似于昂贵的氙灯老化仪。

Controlled irradiance and spectrum, controlled BST temperature, controlled humidity, flooding system, are features of a top weathering equipment.

控制辐照度和光光谱, 控制 BST 温度, 控制相对湿度, 喷淋系统, 这些都是顶级氙灯耐气候老化仪具有的功能。

Low purchase price, low operating cost, at last an affordable and easy to use xenon weathering testing instrument offering:

- Correlation
- Acceleration
- Repeatability
- Reproducibility

of an advanced weathering test chamber.

现在更低的价格、更低的运行成本、易于使用的先进的氙灯



老化仪也可提供:

- 相关性
- 加速性
- 重复性
- 重现性

SOLARBOXe RH Features

SOLARBOXe RH系列氙灯老化仪的功能

Broad band irradiance control sensor (300-400 nm) ensures constant irradiance for the whole life of the lamp.

宽波段辐照度控制传感器 (300-400 nm) 保证氙灯管终生持续辐照度一致性。

- Controlled and monitored irradiance up to 1000 W/m^2 (300-800 nm).

控制和监测辐照度最高达 1000 W/m^2 (300-800 nm)。

- Controlled and monitored temperature at specimen tray level with BST (Black Standard Thermometer). 通过标准黑板温度计BST控制和监测样品盘的温度。

- Controlled and monitored Relative Humidity. Ultrasonic humidifier ensures reliable functioning for long time.

控制和监测相对湿度。超声波加湿器确保长时间可靠工作。

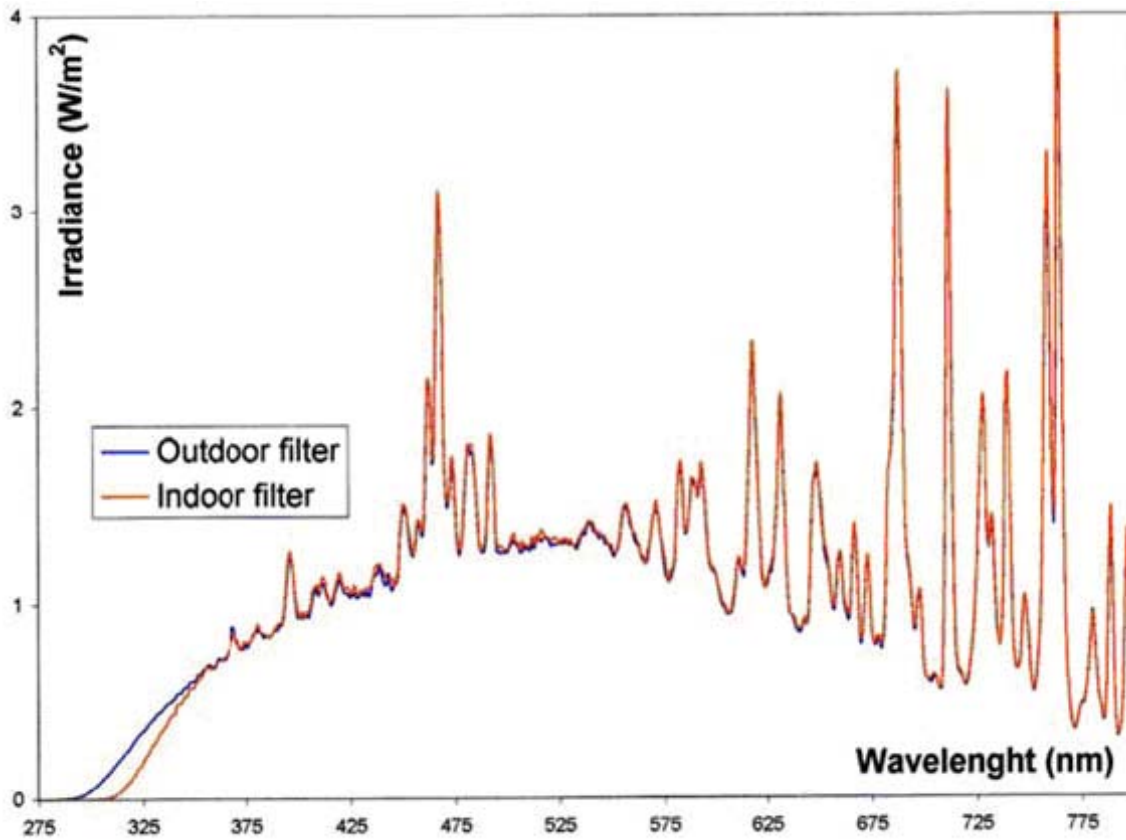
- Sample flooding system for cyclic sample immersion throughout your test program.

整个测试程序中，循环样品浸泡系统。

- Microprocessor control with 4 lines LCD display. Friendly and intuitive operating system. Free programming up to 15 different test programs. Complete test report is produced for each test you perform simply connecting your PC to RS 232 interface: press print push button and history of test is printed.

微处理器控制，4行字符LCD显示，友好直观的操作系统。自由编制程序，最多可存储15个预设测试程序。每个测试程序都会生成完整的测试报告，只需简单地将您的电脑连到RS232串口，按面板上的打印按钮即可打印测试历史记录。

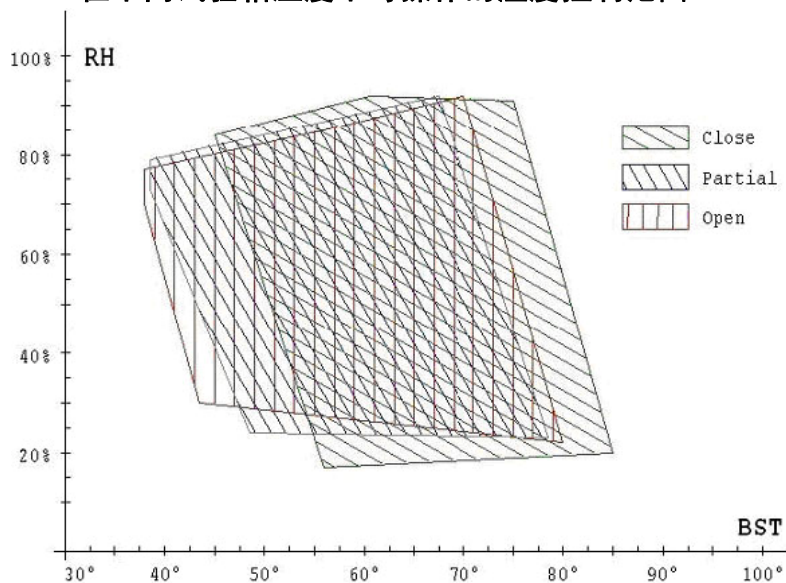




A complete range of advanced UV filters are available to match sunlight conditions: direct exposure to sunlight (Outdoor); exposure through a window glass (Indoor); Outdoor and Indoor filters with IR coating to reduce infrared radiation on samples.

一系列完整的高级UV滤光片可供模拟日光曝晒条件：直接的日光曝晒（户外）；透过窗玻璃的曝晒（户内）；带红外涂层的户外或户内UV滤光片可减弱红外光辐射到样品。

Operable ranges of humidity control at various test chamber temperatures 在不同试验箱温度下可操作的湿度控制范围



Laboratory temperature 20 °C (实验室温度20 °C)

Green range is for fully closed air circulating circuit.
Blue range is for partially closed air circulating circuit.

Red range is for fully opened air circulating circuit

绿色区域是在完全封闭的气流循环回路。

蓝色区域是在半封闭的气流循环回路。

红色区域是在完全开放的气流循环回路。

Technical data 技术规格:

SOLARBOXe RH MODEL 型号	1500e RH	3000e RH
Electrical connection 电源接入		
Mains connection 电源	1/N/PE	
Mains Voltage 电压	230 Vac +-10% 50/60 Hz	
Current consumption 电流	16 A (max)	
Water supply for humidifier 加湿器供水		
Tank capacity 水箱容积	50 litres 升	60 litres 升
Type of water 用水类型	demineralized < 2 µSiemens 纯水	
Measures and weight 尺寸和重量		
Dimensions WxDxH (mm) 尺寸	810x550x1600	950x550x1600
Floor weight (Kg) 地板承重	100	125
Exposure area WxD (mm) 曝晒面积	280x 200	420x200
Features 功能特性		
Air cooled especially designed Xenon lamp (watt) 专用氙灯管 (W)	1500	2500
Microprocessor control with 4 lines LCD display 微处理器控制, 4行LCD显示	有	有
Free programming of 15 tests 自由编程, 预存15个测试程序	有	有
Complete test report ready to print 可打印完整的测试报告	有	有
RS232 interface for report output RS232报告输出接口	有	有
Irradiance range: 300-1000 W/m ² (300-800 nm) 辐照度范围: 300-1000 W/m ² (300-800 nm)	有	有
BST Temperature controlled and displayed BST标准黑板温度控制和显示	有	有
BST temperature range up to 100 °C BST温度范围最高达100 °C	有	有
Relative humidity controlled and displayed 相对湿度控制和显示	有	有
Relative humidity range 相对湿度范围	See graph 见图示	
Options and accessories 可选组件和辅件		
Flooding system 浸泡系统	可选	可选
Standard borosilicate UV filter for outdoor test condition 标准硼硅玻璃UV滤光片适用户外测试条件	可选	可选
Non aging soda lime UV filter for outdoor test condition 长寿命钙钠玻璃UV滤光片适用户外测试条件	可选	可选
Non aging soda lime UV filter for outdoor with IR coating 红外涂层长寿命钙钠玻璃UV滤光片适用户外测试条件	可选	可选
Non aging soda lime UV filter for indoor test condition 长寿命钙钠玻璃UV滤光片适用户内测试条件	可选	可选
Non aging soda lime UV filter for indoor with IR coating 红外涂层长寿命钙钠玻璃UV滤光片适用户内测试条件	可选	可选
Flooding system for specimen 样品浸泡系统	可选	可选
Multimeter (radiometer and thermometer) 多功能测量计 (辐照计和温度计)	可选	可选
295-400 nm sensor, wide band total UV 295-400 nm传感器, 测量整段UV宽波段	可选	可选
340 nm sensor, narrow band 340 nm传感器, 窄带	可选	可选
420 nm sensor, narrow band 420 nm传感器, 窄带	可选	可选

Illuminance sensor, up to 2 MLux 流明度传感器, 最高达2 MLux	可选	可选
Black Standard Thermometer sensor BST传感器	可选	可选
XEN 32 software report level XEN 32 报告级应用软件	可选	可选
XEN 32 software maintenance level XEN 32维护级应用软件	可选	可选

We reserve the right to make changes to equipment and systems in response to advances in technology and modify parameter values accordingly.

我们保留权利因技术进步而对设备和系统进行变更和修改相应的参数值。



Srl – Via Zuccoli 18, 20125 MILANO – Tel. +39-02-67072112

Fax +39-02-6691270

e-mail: info@cofomegra.it web: www.cofomegra.it

The Representative in Chinese Market

中国区销售代表

Shanghai Toyon Precision Instruments CO.LTD.

上海岛原精密仪器有限公司

Adress: Room 1203, No.12, Lane 60, Jianghang Rd, Minhang Dis, Shanghai, China 201112

地 址: 上海市闵行区江航路 60 弄 12 号 12F – 03

E-mail: trustdata@126.com Web: www.cntoyon.com

TEL. 电 话: +86-21-61910649

FAX. 传 真: +86-21-61910648