

氙燈耐光/耐氣候試驗機 Xenon Light Fastness/ Climate Resistant Tester



產品用途：

氙燈耐光/耐氣候試驗機是一種綜合氣候試驗裝置，除進行氣候老化試驗外，還可進行對於色彩之影響及變化所作之褪色加速試驗。其測試範圍包括染整、印刷、皮革、塑膠、膠合玻璃、造漆、紡織、油墨、橡膠及有關色彩穩定性之工業等皆可適用，並可於短時間內得知其結果以判斷耐光堅牢及褪色等級。以上材料暴露於模擬透過玻璃的日光光譜的人造光源下來評價材料耐光性能。從光能、溫度、降雨或凝露、濕度這幾種主要氣候因素進行模擬和強化的試驗；採用模擬全陽光光譜的氙弧燈來再現不同環境下存在的破壞性光波；可用於新材料的選擇、改進現有材料或評估材料組成變化後耐用性的變化等試驗。

Application:

Xenon Light Fastness/ Climate Resistant Tester is a comprehensive climate testing machine, it can do climatic aging test, and also can do fading acceleration test under color effect or color changed. The test range including: dying and finishing, printing, leather, plastic, plyglass, painting, textile, printing ink, rubber and also the industry relative color. Light fastness and fade grade can be known in short time. Those materials exposed at simulated sunlight to evaluated the material's light fastness performance. To simulate and strengthen the test according to light energy, temperature, rain fall or condensation, humidity, etc these main climate factors. Adopt simulated sunlight spectrum's Xenon arc light to create destructive waves under different environment. It can be used for choosing new materials, improving existing materials, or assessment of durability change after material composed.

技術參數 Technical Parameters:

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| 型號 Model | XL - 1000 | |
| 內尺寸WxHxD (mm) Internal Dimension WxHxD (mm) | 1000x1000x1000 | |
| 外尺寸WxHxD (mm) External Dimension WxHxD (mm) | 1500x2000x1400 | |
| 燈管使用壽命 / Tube Using Life | 1500 H | |
| 燈管功率 / Tube Power | 1KW / 6KW | |
| 光照強度 Illumination Intensity | 340nm 0.4 ~ 1.5w/ m ² | 全光譜 Full Spectrum 1200±200w/ m ² |
| 濾光類型 Lighting Filter Type | 內濾片 Inner Filter 外濾片 Outer Filter | 石英 Quartz |
| 類比測試狀態 Simulated Test Status | 模擬試件直接暴露在外太空 Test samples explore under outer space | |
| 冷卻方式 / Cooling System | 水冷或者風冷式 Water cooling or wind cooling | |
| 試驗倉溫度控制範圍 Temperature Control Range of the Test Cabinet | RT+15°C ~ 80°C | |
| 試驗倉濕度控制範圍 Humidity Control Range of the Test Cabinet | 30%~98% | |
| 試樣架轉速 Rotating Speed of the Samples Holder | 1 ~ 5轉；可調 1 ~ 5 RPM ; adjustable | |
| 試樣架直徑 Diameter of Sample Shelf | 500±50mm | |
| 光照曝曬週期 Sunlight Exposure Cycle | 0.01 ~ 999小時59分 0.01 ~ 999 hours 59mins | |
| 降雨週期/降雨時間 Raining Period/ Time | 降雨週期：1~240分鐘，間斷可調。 Raining Period：1~240mins, discontinuous-type, adjustable 降雨時間：1~9999分可調，噴水壓力70~130Kpa Raining Time：1~9999M, adjustable, water spray pressure 70~130Kpa | |
| 噴淋水流量 Spray Water Flow | 1~2.4L/min | |
| 暴露面積 / Explore Area | 7500cm ² | |
| 電源 / Power | AC380V ; 3φ 5綫 ; 50/60HZ | AC380V ; 3φ 5 lines ; 50/60HZ |