

## 溫度/濕度/振動三綜合試驗系統 Temperature Humidity Vibration Combined Test System



### 產品用途：

溫濕度試驗箱與恰當的振動試驗臺相結合，滿足各種相應的溫度，濕度，振動三綜合試驗要求，該產品在航空、航太、船舶、電子、通訊、自動機車等領域有廣泛的用途。

### Application:

Temperature and humidity test chamber matched with appropriate vibration test bench to meet with respective corresponding environmental test requirements of temperature, humidity and vibration; extensively applied in aviation and aerospace, shipping, electronics, telecommunications, automobile car industry.

### 特點：

試驗室與製冷系統整體組合式結構，緊湊美觀，控制臺單獨設置，便於操作，製冷壓縮機組及主要配件均為原裝進口，進口LCD彩色液晶觸摸屏控制器，溫、濕度程式自動控制，配有R232通訊介面，可根據用戶要求選配不同型號的振動臺，保證冷熱、氣密封的同時，振動臺具有良好的力學傳感特性。

### Features:

A combined structure of test chamber and refrigerating system boasting compact and graceful design; independent console to make it convenient for operation; original refrigerating compressor unit and its main accessories imported from abroad; imported LCD color touch screen controller capable of automobile control of temperature humidity programs; with R232 telecommunication interface available. To meet customer's unique demands, users may choose from different models of vibration test bench to ensure that, in addition to good cool, heat and air seal system, this vibration bench will also boasts remarkable effect of mechanical vibration

### 技術參數 Technical Parameters:

| 型號 Model                                                                                  | THV-408 (A~F)                                                                                                                                                                                                                                                                                   | THV-1000 (A~F) | THV-1500 (A~F) |
|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
| 內部尺寸 W×H×D (mm)<br>Internal Dimension W×H×D (mm)                                          | 600×850×800                                                                                                                                                                                                                                                                                     | 1000×1000×1000 | 1500×1500×1500 |
| 外部尺寸 W×H×D (mm)<br>External Dimension W×H×D (mm)                                          | 850×1950×2100                                                                                                                                                                                                                                                                                   | 1300×2200×2400 | 1800×2400×3000 |
| 溫度範圍<br>Temperature Range                                                                 | 低溫 Low Temperature : (A : 25°C ; B : 0°C ; C : -20°C ; D : -40°C ; E : -60°C ; F : -70°C)<br>高溫 High Temperature : 150°C                                                                                                                                                                        |                |                |
| 濕度範圍<br>Humidity Range                                                                    | 20%~98%R.H.(10%~98% R.H. / 5%~98% R.H.為特殊選用條件,需加除濕系統<br>20%~98%R.H.(10%~98% R.H. / 5%~98% R.H.is a special optional condition, need dehumidifier)                                                                                                                                               |                |                |
| 溫濕度解析精度/分佈均勻度<br>Analytic Accuracy/Distribution<br>Uniformity of Temperature and Humidity | 0.1°C ; 0.1% R.H<br>±2.0°C ; ±3.0% R.H.                                                                                                                                                                                                                                                         |                |                |
| 溫濕度控制精度 Control Accuracy of<br>Temperature and Humidity                                   | ±0.5°C ; ±2.5% R.H.                                                                                                                                                                                                                                                                             |                |                |
| 升溫/降溫速率<br>Temperature Rising/Falling Speed Rate                                          | 升溫速率約0.1~3.0°C/分鐘; 降溫速率約0.1~1.2°C/分鐘(降溫速率1.5°C/分鐘以上為特殊選用條件)<br>Temperature rising approx. 0.1~3.0°C/min ; temperature falling approx. 0.1~1.2°C/min ; (The Falling Speed Rate Min.1.5°C per minute is a special optional condition)                                                             |                |                |
| 內外部材質<br>Internal and<br>External Material                                                | 內箱材質為SUS 304#不銹鋼, 外箱材質為不銹鋼或SEE 冷軋鋼加烤漆<br>Material of the inner box is SUS 304# stainless steel , of the outer box is stainless steel or SEE cold-rolled steel with paint coated.                                                                                                                |                |                |
| 保溫材質<br>Insulation Material                                                               | 耐高溫高密度氨基甲酸乙酯泡沫絕緣體材料 Resistant to high temperature, high density, formate chlorine, ethyl acetum foam insulation materials                                                                                                                                                                       |                |                |
| 冷卻系統<br>Cooling System                                                                    | 風冷式或水冷式(單段壓縮機-40°C; 雙段壓縮機-70°C) Wind cooling or water cooling (single segment compressor -40°C, double segment compressor -70°C)                                                                                                                                                                |                |                |
| 保護裝置<br>Protection<br>Devices                                                             | 無熔絲開關、壓縮機過載保護開關、冷媒高低壓保護開關、超濕度超溫保護開關、保險絲、故障警告系統、缺水報警保護 Fuse-free switch, overloading protection switch for compressor, high and low voltage coolant protection switch, over-humidity and over-temperature protection switch, fuses, fault warning system, water short storage warning protection |                |                |
| 選購配件<br>Optional Accessories                                                              | 帶操作孔玻璃內門、記錄器(選購)、純水淨化機、除濕機 Inner door with operation hole(Optional), Recorder(optional), Water Purifier, Dehumidifier                                                                                                                                                                           |                |                |
| 振動測試台<br>Vibration<br>Test Equipment                                                      | 根據用戶的測試條件選配適當的振動測試台, 其相關詳細技術參數請見本目錄的(電磁式高頻振動臺) Choose proper vibration test bench according to customer's test condition, the technical parameters please take Electrodynamics Type Vibration Tester's parameters in this catalog for reference                                                 |                |                |
| 電源 Power                                                                                  | AC380V ; 3φ 5線 ; 50/60HZ AC380V ; 3φ 5 Lines ; 50/60HZ                                                                                                                                                                                                                                          |                |                |