Temperature Shock Test Chamber-Two Zone

Temperature Shock Test Chamber-Two Zone, there are two areas of high temperature and low temperature area, its "test area" is a basket, loaded with test samples in the high temperature area and low temperature area between the movement. It is suitable for the safety performance test of electronic components to provide reliability test, product screening test, etc. Meanwhile, through the test of this equipment, it can improve the reliability of the product and product quality control.

Features:

Durable and stable performance:
Using high and low temperature heat storage tank and thermal energy storage tank, open DAMPER according to the action requirements, the cold and hot energy in the heat storage tank will be introduced into the test box to achieve the effect of rapid temperature shock, balanced temperature control system (BTC) + special design of the air supply circulatory system, the dynamic P.I.D. way of controlling the SSR, so that the amount of system heating is equal to the amount of heat loss, and therefore it can be used for a long time in a stable manner.

Automatic control, energy saving and power saving:
Under low-temperature working condition, the heater is not involved in the work, and the refrigerant flow and flow direction of the refrigeration unit are adjusted through PWM technology control, so as to achieve three-way flow adjustment of refrigeration pipeline, cold by-pass pipeline and heat by-pass pipeline, and realise the automatic constant temperature of the studio. This method can reduce energy consumption by 40% under low temperature conditions. Algorithmic control of refrigerant servo valve flow saves power by 30%.

High temperature and high humidity testing to prevent condensation, drip technology industry-leading:Temperature synchronised ramp control (IEC 68-2-56,68-2-30), no dripping, no condensation, no condensation. Quadruple glazed viewing window with internal heater glass surface with electronic heating prevents water condensation and frost.

Humanised design, easy to operate:
Chinese and English humanised prompts for fault causes and troubleshooting methods, 16 sets of fault alarms can be monitored and output simultaneously.USB disk recording function, no need for logger.

Specification:

High temperature setting range：+60℃～+180℃，+60℃～+180℃，+60℃～+180℃

High and low impact temperatures ：+150℃

Low Temperature Setting Range：-70℃～-10℃，-65℃～-10℃，-75℃～-10℃

5.5 Low temperature shock temperature：-40℃，-55℃，-65℃

High and low temperature impact range：-40℃～+150℃，-55℃～+150℃，-65℃～+150℃

Preheating warming time：+20～+180℃，≤60min

Pre-cooling cooling time：+20~-70℃，≤80min；+20~-65℃，≤80min；+20~-75℃，≤90min

Temperature transition time：≤10 seconds

Temperature rise and fall overshoot：≤±3℃

Temperature stabilization time：≤3MIN

Temperature recovery performance：30min

Temperature Fluctuation：±0.5℃

Temperature deviation：≦±2℃

Temperature uniformity：≦±2℃

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