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GT-7049-DH3 高溫蠕變應力鬆弛試驗機 Creep Tester

本試驗機用於檢測塑膠試樣在0°C ~ 150°C溫度環境下的蠕變/應力鬆弛特性。

A)在設定的溫度下,試樣預壓縮一定位移(0~30mm可設定)後,在固定位移下持續壓縮一段時間,檢測並完整記錄力量/時間的變化曲線。

B)在設定的溫度下,試樣預壓縮一定力量(0~10kN可設定)後,在固定力量下持續壓縮一段時間,檢測並完整記錄位移/時間的變化曲線。

This instrument is designed to measure the creep and stress relaxation of plastic material under temperature from 0°C to 150°C.

A) With a specified temperature, preload a given stroke (0 to 30mm) to the specimen. Then, compress the specimen under a constant stroke for a period for time. Meanwhile, measure and record the change in force and time.

B) With a specified temperature, preload a given force (0 to 10kN) to the specimen. Then, compress the specimen under a constant force for a period of time. Meanwhile, measure and record the change in stroke and time.



荷重容量 Capacity	10kN
荷重精度 Load Accuracy	±0.5%
單位選擇 Unit	kg、N
壓縮行程 Stroke	0.001~30.000 mm
位移精度 Stroke Accuracy	0.01mm (磁柵尺感測 magnetic railings ruler)
預壓縮速度 Preload Speed	1.0mm/min
試樣厚度 Specimen Thickness	T=1.0~5.0mm
試驗環境溫度 Test Temperature	0.0~150.0°C
控溫精度 Temperature Accuracy	±2.0°C
溫度均勻度 Temperature Uniformity	+/-1.0% (F.S)
控制系統 Control System	PLC控制+HMI顯示 PLC control & HMI system
控溫方式 Temperature Control	BTC平衡調溫系統·P.I.D+固態繼電器(SSR)控制 BTC control system / P.I.D and SSR
冷凍系統 Freezing System	全密閉式壓縮機,單級制冷+環保冷媒 Hermetic compressor, single stage system and eco-friendly refrigerant
冷卻方式 Cooling Method	氣冷式 Air cooling
加熱系統 Heating System	熱風回轉循環 Hot air circulating system
外箱材質 Outer Surface	不鏽鋼烤漆 Staneless varnish
保溫材料 Heat Preservation Material	硬質發泡+隔熱棉雙層保溫 Hard foam and thermal insulation foam
觀察窗 Observation Window	5層真空加熱玻璃視窗+箱內照明 Vacuum insulated glass window (5 layers) with lighting
體積 Dimension(W×D×H)	1100×900×1700 mm (W×D×H)
電源 Power	1φ, 220V, 50/60 Hz

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