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HV-3000-P 熱變形溫度試驗機

HDT/VICAT Tester

ASTM D648-18、ASTM D1525-17e1、ISO 75-1:2013、ISO 75-2:2013、
ISO 306:2013、GB/T 1634.2-2019、GB/T1634.1-2019、JIS K 7206-2016

熱變形溫度試驗機是一種用於測試材料在高溫下的熱變形性能的專業設備。主要用於確定材料在特定條件下開始軟化和變形的溫度，被廣泛應用於塑膠、橡膠、高分子材料等領域。

The HDT/VICAT tester is specifically designed to assess the heat deflection temperature (HDT) and the VICAT softening temperature of materials, providing essential data for evaluating their thermal properties. This instrument provides a variety of test options, allowing operators to determine the deflection and softening temperature of plastics and polymers under various conditions.



溫度範圍 Temp. range	常溫+10°C~300°C Ambient temp. +10°C to 300°C
試驗組數 Test station	3組 /6組
控制方式 Operating system	PC+專用軟體 PC+Dedicated software
溫度精度 Temp. control accuracy	±0.5°C
升溫速率 Heating rate	2±0.2°C/min (HDT) 或 or 50±5°C/hr (VICAT)
冷卻方式 Cooling method	標配外部自動進水電磁閥，水冷式交換器（可選購快速低溫冷卻系統） Built in water piping (standard), water chiller (optional)
自來入水冷卻降溫速率 Cool down time (water piping)	300~35°C約40min(水溫在25°C以下) 300 to 35°C within 40min (when water temp. is below 25°C)
測試模式 Test method	HDT及VICAT
變形量測量範圍 Deflection / penetration measuring range	0.001~2.500mm (LVDT感測 sensor)
試樣跨距 Span support	64mm、100mm及101.6mm供選擇 optional
攪拌方式 Stirring method	採用渦流攪拌方式，測試油溫均勻 Vortex stirrer
電源 Power	1φ AC 220V 50Hz (依國別或指定 or specify)

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