

## GOTECH "the best partner" to raise your competition

### HV-2000A 電腦式熱變形溫度試驗機 Computer HDT / VICAT Tester

ASTM-D648、GB/T 8802、ISO-2507、JIS-K7191

本試驗機用於測定塑料試片，熱變形HDT...三點加荷下的彎曲應力變形溫度的測定和塑料Vicat軟化溫度測試法...塑料樣品在規定條件下，發生針入穿透現象時的溫度。

本試驗機可選擇採用壓縮機冷卻或水冷卻。以壓縮機高效降溫冷卻可達到快速降溫效果，並節省水冷過程中的耗水量。所有浸入高溫導熱油的金屬材質全部為低變形系數的合金鋼，將材料高溫變形減小到最小，提高試驗結果的準確性。具有升溫、降溫、攪拌自動控制功能，自動顯示測量點溫度。採用高精度LVDT位移傳感器測量壓頭變形量，配合高鐵自主開發的變形感測放大器，分辨率高感測準確無跳動。

This machine is designed for determining the heat deflection temperature (HDT) of the plastic samples (The temperature at which the plastic sample is bended at 3 points under a specified load.), and the VICAT softening temperature of the plastic samples (The temperature at which the plastic sample is penetrated by a needle under specified load.).

This machine can be cooled by either the compressor or the water cooling system. The use of the compressor can effectively and rapidly reduce the temperature, and save water used for the water cooling system. All metals immersed in heat transfer oil at high temperature are the alloy steels with low coefficient of deformation, so it can minimize the material deformation at high temperature and improve the accuracy of the test result. It is characterized by heating, cooling, controlling stir automatically and displaying the temperature at the measured point automatically. With the high-precise LVDT displacement sensor measuring the deformation of the indenter and the deformation-detecting amplifier developed by GOTECH, it is high in resolution and accurate in detection without data fluctuation.

型式 Model	HV-2000A-C6	HV-2000A-C3
試件組數 Sampling	6組 sets	3組 sets
溫度範圍 Temp. range	20°C ~ 300°C	
冷卻方式 Cooling method	採用壓縮機冷卻 Compressor cooling	
控溫精度 Temp. accuracy	±0.5°C	
溫度解析度 Temperature sensor resolution	0.1°C	
升溫速度 Increasing Rate of Temperature	120±1°C/h 或 50±1°C/h 供選擇	
變形顯示 Deformation display	LVDT · 電腦系統顯示 Computer system play	
變形精度 Deformation accuracy	< ±0.03%F.S	
試驗方式 Testing Method	HDT / VICAT	
體積 Dimension (W×D×H)	主機 Main unit 148×81×170 cm	
重量(約) Weight (approx.)	490 kg	
電源 Power	1φ, AC 220V (依國別或指定 Specified by user)	



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