

Heat Deformation Vicat Softening Point Tester



I. Product introduction

Thermal deformation vicat, softening point temperature measuring instrument using PLC programmable controller temperature adjustment using computer display operation. The product is simple to operate, easy to use, stable performance, high precision, and in the test process can be real time monitoring test temperature and deformation; At the end of the test, the system automatically stops heating, and the test report and test curve can be printed. This series of models is the quality inspection units, colleges and universities and enterprises of the necessary instruments for self-inspection.

II. Product features:

With the lifting function of the sample frame, can be lifted or lowered at the beginning or end of the test on the sample frame, the machine is mainly used for non-metallic materials such as plastic, rubber, nylon, electrical insulation materials such as thermal deformation temperature and vicat softening point temperature determination.


III. Execution standard:

- GB / T1633 《Thermoplastics - Determination of Vicar softening temperature (VST)》
- GB / T1634 《Plastics - Determination of load deformation temperature - Part 1: General test method》
- GB/T8802 《Determination of softening temperature of plastic pipe fitting》
- IS075-2013 《Plastics - Determination of load deformation temperature》
- ASTM D 648 《Test method for thermal deformation temperature of plastics》
- ASTM D 1525 《Test method for softening temperature of plastics Vicat》

IV. Product advantages:

- Intelligent PID control, accurate heating rate, accurate temperature control and no difference
- The thermal deformation test of various standard splines can be done
- Vicar softening point test of various standard splines can be done
- Thermal deformation and Vicar softening point tests can be carried out simultaneously
- The required load can be calculated automatically according to the test standard and the spline size
- Two heating rates can be selected, free to switch, simple operation
- Support a variety of test, test curve color separation processing, intuitive to see the test process of each group of samples
- After the test is completed or the temperature exceeds the upper limit, turn off the temperature control and shut down
- Software overtemperature protection and external mechanical overtemperature protection dual protection
- Diversified report Settings, perfect report printing function

V. Technical parameters:

Model	SR- WDK3
Image	
Temperature Control Range	Rt—300°C
Heating Rate	(120±10) °C/h (12±1)°C/6min / (50±5)°C/h (5±0.5)°C/6min
Temperature Indication Error	0.1°C
Temperature Control Accuracy	±0.5°C
Maximum Deformation Indication Error	±0.001mm
Range Of Deformation Measurement	0—10mm
Number Of Sample Holders	3
Load Bar And Pallet Quality	68g
Test Span Range	According To 64 Or 100mm
Tank Volume	About 25L (Customers Buy By Themselves)
The Heating Medium	Methyl Silicone Oil Or Transformer Oil
Cooling Way	Natural Cooling Above 150 Degrees, Below 150 Degrees Water Cooling Or Natural Cooling
Heating power	4kw
Power supply	220V/50Hz

VI. Accessories:

Number	Name	NO.
1	Computer	1 Set
2	Electric Cabinet	1 Set
3	Equipment Host	1 Set
4	Sample Frame	3 Set
5	Heat Deformation Indenter	3 Set
6	Methyl Silicone Oil	20L (Customers Buy By Themselves)
7	Weights (Including Boxed Weights)	1 Set(Table)

VII. Table :(Accept Non-Standard Customization):

Weight	Number(3)	Weight	Number(3)
1000g	12	932	3
500g	3	200g	6
100g	3	50g	3
20g	6	10g	6
5g	3	2g	3
1g	3		