

热变形温度测定仪 维卡软化点温度检测仪

产品名称	热变形温度测定仪 维卡软化点温度检测仪
公司名称	承德市万吉仪器仪表制造有限公司
价格	.00/件
规格参数	品牌:万吉 型号:XRW-300
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产品详情

XRW-300B热变形、维卡软化点温度测定仪

一 产品介绍;

XRW-300热变形、维卡软化点温度测定仪主要用于非金属材料（如塑料、橡胶、尼龙、电绝缘材料等）的热变形及维卡软化点温度的测定。具有质量稳定，操作简单的特点，是化工企业、科研单位、大专院校等行业的理想测试工具。

工作原理

维卡（VST）定义：把试样放在液体介质或加热箱中，在等速升温条件下测定标准压针在（50+1）N力的作用下，压入从管材或管件上切取的试样内1mm时的温度。

热变形（HDT）定义：标准试样以平放（优选）或侧立方式承受三点弯曲恒定负荷，使其产生GB/T 1634相关部分规定的其中一种弯曲应力，在匀速升温条件下，测量达到与规定的弯曲应变增量相对应的标准挠度时的温度。

二 特点:

- 1 试样架为一体式结构，膨胀系数小，实验数据真实准确。
- 2 采用成型单元控制器对升温速率、温度上限、温度显示进行控制。

3 操作简单、使用方便、性能稳定。

4 显示方式；工业触摸屏PC机

三 符合标准；

GB/T 1633-2000(idt ISO 306:1994)维卡软化温度 (VST) 的测定
GB/T 1634.1-2004(idt ISO 75-2:2003)塑料
负荷变形温度测定 (通用试验方法)
GB/T 1634.2-2004塑料
负荷变形温度测定 (塑料、硬橡胶和长纤维增强复合材料)
GB/T 1634.3-2004塑料
负荷变形温度测定 (高强度热固性层压材料)
GB/T 8802-2001(eqv ISO 2507:1995)
热塑性塑料管材、管件维卡软化温度的测定

同时符合、ISO 2507、ISO 75、ISO 306、ASTM D 1525,ASTM D 648等标准要求。

四 主要技术参数

1 温度控制范围：室温 ~ 300 ；

2 升温速率：120 ± 10 / h (12 ± 1 / 6 min)

50 ± 5 / h (5 ± 0.5 / 6 min)

3 变形测量范围：变形测量范围为0 ~ 10.000mm，变形分辨力为0.001mm，变形测量准确度0.005mm

4 试样架数量：4个；

5 试样跨距：64 ± 1 mm 100 ± 1 mm

6 最大加热功率：4kw；

7 冷却方式：自然冷却，水循环冷却

8 加热介质：甲基硅油（粘度200厘斯以下,闪点300 以上）；

9 主机电源为交流三相五线380v ± 10%，50Hz，5kw。具有水冷却循环系统。

10 维卡负荷杆装有负荷板，固定于刚性金属架上，能在垂直方向自由移动。负载杆和金属架构件应具有相同的膨胀系数。

11 压针头为硬质钢制成，长3mm，横截面积为1.000 ± 0.015mm²的圆柱体，压针头下表面应平整，垂直于负载杆的轴线，无毛刺。

12 外形尺寸为645mmx670mmx1450mm。

实现的功能:

1、 实时显示试验温度和温度—变形曲线。

试验过程中，通过输入试样的尺寸，可自动计算出试验所需的负荷质量。

上线温度、变形量在使用范围内任意设定。

误差通过软件自动修正。

试验曲线颜色任意设定，可以实时显示和隐藏，并且曲线宽度粗细任意转换。

试验完成或达到上限温度时，具有报警功能，并自动停止加热。

试验完成后，打印试验曲线和试验报告。查询历次试验的历史纪录，并能重绘历次试验的试验曲线。

用户可对自己的使用软件进行三级密码保护。

必须使用正板软件进行安装，否则系统无法运行。

Xrw-300b thermal deformation, vesica softening point temperature tester

Product introduction;

Thermal deformation and vesica softening point temperature meter are mainly used for the determination of thermal deformation of non-metallic materials (such as plastics, rubber, nylon, electrical insulating materials, etc.) and the temperature of the wika softening point.

With the characteristics of stable quality and simple operation, it is an ideal testing tool for chemical enterprises, scientific research units and colleges and universities.

Two features:

1. The sample frame is a one-piece structure with small expansion coefficient, and the experimental data is accurate and accurate.

The heating rate, temperature cap and temperature display are controlled by the forming element controller.

3 simple operation, convenient use and stable performance.

4 display mode;

Computer control

Three meets the standard;

GB/T 1633-2000(idt ISO 306:1994) the determination of the temperature of the softening temperature (VST)

GB/T 1634.1-2004(idt ISO75-2:2003) plastic load deformation temperature measurement (general test method)

GB/T 1634.2-2004 plastic load deformation temperature measurement (plastic, hard rubber and long fiber reinforced composite)

GB/T 1634.3-2004 plastic load deformation temperature measurement (high strength thermosetting laminated materials)

GB/T 8802-2001 (eqv ISO 2507:1995) the determination of thermoplastic pipe and pipe - dimension card softening temperature

Also meet the requirements of ISO 2507, ISO 75, ISO 306, ASTM D 1525, ASTM D 648, etc.

Main technical parameters

1 scope of temperature control: at room temperature to 300 ;

Heating rate: 120 plus or minus 10 / h (12 + / - 1 / 6 min)

50 + / - 5 / h (0.5 / 5 + 6 min)

3. Deformation measurement range: the deformation measurement range is 0 ~ 10.000 mm, the deformation resolution is 0.001mm and the deformation measurement accuracy is 0.005mm

4 sample frame number: 3;

Sample span: 64 + 1 mm 100 mm 100 mm

Maximum heating power: 4kw;

7 cooling mode: natural cooling, water circulation cooling

8 the heating medium: methyl silicone oil (below 200 CST viscosity, flash point above 300).

The host power supply is ac three-phase five-wire 380v plus or minus 10%, 50Hz, 5kw.

It has water cooling but circulatory system.

The 10 vicar load bar is equipped with a load plate, fixed on a rigid metal frame, and can move freely in the vertical direction.

The load bar and metal structure should have the same expansion coefficient.

The pressure needle is made of hard steel, 3mm long, and the cross sectional area is $1.000 + 0.015 \text{ mm}^2$, the surface of the pressure needle should be flat, perpendicular to the axis of the load rod, without burr.

The size of 12 is 645mmx670mmx1450mm.

Implementation functions:

1. Real-time display test temperature and temperature - deformation curve.
2. During the test, the load quality of the test is automatically calculated by entering the sample size.
3. The on-line temperature and deformation are set arbitrarily within the range of use.
4. The error is automatically corrected by software.
5. The test curve color is arbitrary and can be displayed and hidden in real time, and the curve width is arbitrarily

converted.

6. When the test completes or reaches the upper limit temperature, it has alarm function and automatically stops heating.

7. After completion of the test, print test curve and test report.

Check the historical records of the previous experiments and can redraw the test curves of the previous experiments.

8. Users can make use of their own software for three-level password protection.

9. You must use the positive board software for installation, otherwise the system will not work.