

显微维氏硬度计 Micro Vickers Hardness Tester



HV-1000 (A)
(自动转塔) 显微维氏硬度计
(Auto Turret) Micro Vickers
Hardness Tester



HVS-1000 (A)
数显 (自动转塔) 显微维氏硬度计
Digital (Auto Turret) Micro
Vickers Hardness Tester



HV-1000(A)T 触摸屏
(自动转塔) 显微维氏硬度计
Touch-Screen (Auto Turret)
Micro Vickers Hardness Tester



HVS-1000(A)T 触摸屏
数显 (自动转塔) 显微维氏硬度计
Touch-Screen Digital
(Auto Turret) Micro Vickers
Hardness Tester

产品介绍

- HV(S)-1000(A) 数显自动转塔显微维氏硬度计, 通过液晶屏显示结果, 并可显示与设置测试标尺、试验力、压头类型、保荷时间、换算单位等;
- HV(S)-1000(A)T 触摸屏数显自动转塔显微维氏硬度计, 采用 8 寸触摸屏和高速 ARM 处理器, 显示直观, 人机互动友好, 操作简便; 运算速度快, 数据库巨量存储, 数据自动修正, 并提供数据折线报表;
- 机身使用优质铸铁一次浇铸成型, 配合以汽车烤漆处理工艺, 外形圆润美观;
- 蜗轮蜗杆升降系统极大的提高测试稳定性以及测试精度, 测试完成后无需再次对焦;
- 配置了自动转塔功能, 高清测量和观察 - 双物镜组合, 结合内置长度编码器的高清测微目镜, 实现了压痕对角线的一键测量, 极大地减少了人为操作干扰与读数误差;
- 内置硬度转换标尺, 可自动进行全硬度标尺的单位转换;
- 可设置硬度值的最大值和最小值, 当测试值超过设定范围时, 发出报警音;
- 具有软件硬度修正功能, 可以在一定范围内直接对硬度值进行修正;
- 具有数据库功能, 对试验数据自动进行分组保存, 每组可保存 10 个数据, 可以保存 2000 个以上数据;
- 具有硬度值曲线显示功能, 直观显示硬度值的变化;
- 可选配 CCD 图像处理系统, 另可选配努氏压头, 进行努氏硬度测量;
- 配置无线蓝牙打印机, 并可通过 RS232、USB 接口输出数据;
- 精度符合 GB/T4340.2-2018 ISO6507-2 和美国 ASTM E384。

Product Features

- HV(S)-1000(A) Digital auto turret micro vickers hardness tester, the test results are displayed on the LCD screen, the test scale, test force, indenter type, holding time and the conversion unit can be displayed and set;
- HV(S)-1000(A)T Touch-screen digital auto turret micro vickers hardness tester, adopt 8 -inch touch screen and high-speed ARM processor, Visual display, friendly man-machine interaction, easy operation, Fast operation speed, extensive database storage, data automatic correction, and provide data broken line report;
- The machine body is integral casting by high quality cast iron, with the automotive paint treatment process, the appearance is round and beautiful;

- The turbo-worm lifting system can greatly improve the test stability and accuracy, and there is no need to focus again after the test is completed;
- Equipped with automatic turret function, HD measurement and observation - dual objective lens combination, combined with the built-in length encoder HD micrometer eyepiece, to achieve indentation diagonal one-key measurement, greatly reduce the manual interference and reading error;
- Built-in hardness conversion scale, convert to any type of hardness scale;
- The maximum and minimum hardness values can be set, when the test value exceeds the set range, an alarm sound will be issued;
- With the function of software hardness value correction, the hardness value can be directly corrected within a certain range;
- With the database function, the test data can be saved automatically in groups, each group can save 10 data, total can save more than 2000 data;
- With the hardness value curve display function, intuitive display the changes of hardness value;
- CCD image processing system can be optional, the knoop indenter can be selected to measure the knoop hardness;
- Equipped with wireless blue-tooth printer, the data can be output through RS232 and USB interface port;
- Accuracy is in line with GB/T4340.2-2018, ISO6507-2 and us ASTM E384.

主要参数 Main Parameters

型号 Model	HV-1000(T)	HVS-1000(T)	HV-1000A(T)	HVS-1000A(T)
测量范围 Range of Measurement	5-5000HV			
试验力 Test Force	10、25、50、100、200、300、500、1000gf (0.09807、0.2452、0.4904、0.9807、1.961、2.942、4.904、9.807N)			
数据输入方式 Data Entry Mode	手动 Manual	手动 Manual	自动 Automatic	自动 Automatic
转塔方式 Turret Mode	手动 Manual	自动 Automatic	手动 Manual	自动 Automatic
试件允许最大高度 Available Maximum Height of Specimen	120mm			
压头中心到机壁距离 Beeline between Indenter Center and Wall	110mm			
XY 工作台尺寸 XY Worktable Size	100*100mm			
XY 工作台行程 XY Worktable Stroke	25*25mm			
XY 工作台最小单位 Minimum Unit of XY Worktable	0.01mm			
镜头倍率 Zoom Multiple of Objective	10×, 40×			
放大倍率 Total Multiple	100×, 400×			
最小步距 Minimum Pace	0.025μm			
硬度分辨率 Hardness Resolution	0.1HV			
电源 Power Supply	AC 220V, 50Hz			
外形尺寸 Outline Dimension	530*290*490mm			
重量 Weight	45kg			