

## 触摸屏数显布氏硬度计 Touch-screen Digital Brinell Hardness Tester



HBS-3000T 触摸屏数显布氏硬度计 (砵码加荷)  
Touch-Screen Digital Brinell Hardness Tester (Weights)

HBS-3000ET 触摸屏数显布氏硬度计 (电加荷)  
Touch-Screen Digital Brinell Hardness Tester (Sensor)

HBS-3000AT 触摸屏数显自动转塔布氏硬度计 (砵码加荷, 20×、40× 双目镜)  
Touch-Screen Digital Auto Turret Brinell Hardness Tester (Weights 20×、40× Two Eyepiece)

HBS-3000AET 触摸屏数显自动转塔布氏硬度计 (电加荷, 20×、40× 双目镜)  
Touch-Screen Digital Auto Turret Brinell Hardness Tester (Sensor 20×、40× Two Eyepiece)

### 产品介绍

- HBS-3000T, HBS-3000ET, HBS-3000AT, HBS-3000AET 触摸屏数显布氏硬度计, 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筑成型, 配合以汽车烤漆处理工艺, 外形圆润美观;
- HBS-3000AT, HBS-3000AET 配置自动转塔功能, 压头和镜头之间自动切换, 使用更加方便;
- 内置硬度转换标尺, 可自动进行全硬度标尺的单位转换;
- 电子闭环控制施加试验力, 完全实现了加荷、保荷、卸荷的自动化运行;
- 配备高清光学双物镜, 可测量从 31.25-3000kgf 标准试验力下的不同直径的压痕;
- 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;
- 配置无线蓝牙打印机, 并可通过 RS232、USB 接口输出数据;
- 可选配 CCD 图像处理系统或视频测量装置;
- 精度符合 GB/T231.2-2018、ISO6506-2 和美国 ASTM E10 标准。

### Product Features

- HBS-3000T, HBS-3000ET, HBS-3000AT, HBS-3000AET Touch-Screen digital Brinell 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;
- HBS-3000AT, HBS-3000AET Equipped with automatic turret function, automatic switching between the indenter and the lens, more convenient to use;
- Built-in hardness conversion scale, convert to any type of hardness scale;

- The electronic closed-loop control exerts the test force, fully realizes the automatic operation of loading, holding and unloading of the test force;
- 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;
- Equipped with HD optical two lens, it can measure indentation of different diameters from 31.25 to 3000kgf standard test force;
- 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;
- Equipped with wireless blue-tooth printer, the data can be output through RS232 and USB interface port;
- Equipped with the independent small floodlight, convenient for user operation in the bad light;
- Accuracy is in line with GB/T230.2-2018, ISO6508-2 and American ASTM E18 standard.

### 主要参数 Main Parameters

型号 Model	HBS-3000T/HBS-3000AT	HBS-3000ET/HBS-3000AET
测量范围 Range of Measurement	5-650HBW	5-650HBW
试验力 Test Force	187.5、250、500、750、1000、1500、3000kgf (1838.8、2415.8、4903.5、7355.3、9807、14710.5、29421N)	31.25、62.5、100、125、187.5、250、500、750、1000、1500、3000kgf (306.25、612.9、980.7、1225.9、1838.8、2415.8、4903.5、7355.3、9807、14710.5、29421N)
试件允许最大高度 Available Maximum Height of Specimen	230mm/280mm	
压头中心到机壁距离 Beeline between Indenter Center and Wall	150mm/165mm	
镜头倍率 Zoom Multiple of Objective	20X	20X, 40X
硬度分辨率 Hardness Resolution	0.1HBW	
电源 Power Supply	AC 220V, 50Hz	
外形尺寸 Boundary Dimension	700*268*980mm	
重量 Weight	210kg	