

## 布氏硬度计 Brinell Hardness Tester



HB-3000 (B) 布氏硬度计  
Brinell Hardness Tester



HB-3000C 电子布氏硬度计  
Electric Brinell Hardness Tester



HBS-3000 数显布氏硬度计 (砝码加荷)  
Digital Brinell Hardness Tester (Weights)



HBS-3000E 数显布氏硬度计 (电加荷)  
Digital Brinell Hardness Tester (Sensor)

### 产品介绍

- HBS-3000, HBS-3000E 数显布氏硬度计, 压痕可在机上通过测微目镜直接测量, 并能在 LCD 显示液晶屏上显示压痕的直径、硬度值, 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;
- 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;
- HB-3000B, HBS-3000 采用砝码加荷, 结构坚固, 刚性好, 精确可靠耐用;
- HB-3000C, HBS-3000E 采用闭环电加荷, 具备过载、过位自动保护功能; 试验过程自动化, 无人操作误差;
- 采用电动加卸试验力, 由 5% 精度的压力传感器进行闭环反馈, 高速 ARM 处理器控制并能对试验力进行自动修正;
- 内置硬度转换标尺, 可自动进行全硬度标尺的单位转换;
- 配置内置微型打印机, 并可通过 RS232 端口输出数据;
- 精度符合 GB/T231.2-2018、ISO6506-2 和美国 ASTM E10 标准。

## Product Features

- HBS-3000, HBS-3000E Digital Brinell hardness tester, the indentation can be measured directly through the micrometer eyepiece, the diameter and hardness value can be displayed on the LCD screen. Test force, indenter type, holding time and the conversion unit can be displayed and set;
- The machine body is integral casting by high quality cast iron, with the automotive paint treatment process, the appearance is round and beautiful;
- HB-3000B, HBS-3000 adopt weight loading, which is firm, rigid, accurate and durable;
- HB-3000C, HBS-3000E adopt closed loop electric loading, with overload and over position automatic protection function, test process automation, no manual error;
- Adopt the electric motor loading/unloading test force, the closed-loop feedback is carried out by the pressure sensor with 5% accuracy, and the test force can be automatically corrected by the high-speed ARM processor;
- Built-in hardness conversion scale, convert to any type of hardness scale;
- Equipped with built-in printer, the data can be output through RS232 port;
- The accuracy is in line with GB/T231.2-2018, ISO6506-2 and American ASTM E10 standard.

## 主要参数 Main Parameters

型号 Model	HB-3000B/HBS-3000	HB-3000C/HBS-3000E
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)	62.5、100、125、187.5、250、500、750、1000、1500、3000kgf (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	120mm (HB-3000B) 130mm/150mm (HBS-3000)	130/150mm
硬度分辨率 Hardness Resolution	0.1HBW	
电源 Power Supply	AC 220V, 50Hz	
外形尺寸 Outline Dimension	700*268*842mm/700*268*980mm	
重量 Weight	210kg	