

**LCD Screen Built-in Printer Digital Brinell Hardness Tester with 10X Eyepiece****Model: HBS-3000**

Digital display Brinell hardness tester HBS-3000 uses computer software programming, photoelectric sensing technologies. Through button input, select the test method and hardness scales displays on LCD large screen.

Also displays the test method, test force, measuring indentation length, hardness value, dwell time, and hardness conversion, with built-in printer, RS-232 interface.

**Main Functions and Features:**

- 1, HBS-3000 is a high precision, high repeatability and stability hardness testing machine, easy operation, convenient and practical, cost-effective.
- 2, Integrated digital microscope and precise data calculation system to display the hardness value directly with just one click;
- 3, Equips with precision sensors and computer control system, the test results are accurate and stable;
- 4, Automatically enter the indentation diameter, directly display the hardness value, support hardness conversion;
- 5, Equips with high-performance stepper motor automatically loading, dwell and unloading, low noise during the testing process;
- 6, Self-designed optical system, image clarity, brightness adjustable, long-term operation should not be fatigue;
- 7, with data transmission RS232 interface, the measurement data can be transmitted to the computer for editing and saving;
- 8, The shell is cast once, the structure is stable without deformation, and it can work in a relatively harsh environment; The surface is treated with automobile paint, which has strong scratching ability and is still bright and new for many years;

**Main Application Range:**

- 1, Suitable for hardness tester with large grain metal materials, can reflect the comprehensive performance of the material;
- 2, cast iron, steel, non-ferrous metals, especially for softer metals, such as pure aluminum, lead, tin, etc.
- 3, can be used for hard plastic, bakelite and other non-metallic material hardness tester

**Technical Specifications:**

Model	HBS-3000
Brinell ruler	HBW2.5/62.5, HBW2.5/187.5, HBW5/125, HBW5/750, HBW10/100, HBW10/1500, HBW10/3000, HBW10/250, HBW10/500, HBW10/1000
Test force	62.5kgf(612.9N), 100kgf(980.7N), 125kgf(1226N), 187.5kgf(1839N), 250kgf(2452N), 500kgf(4903N), 750kgf(7355N), 1000kgf(8907N), 1500kgf(14710N), 3000kgf(29420N)
Vertical Space	280mm
Horizontal Space	150mm
Indenter - Upper wall distance	55mm (support customized)
Measurement Resolution	0.125um
Dwell time	0~60s
Hardness test range	8~650HBW
Total magnification	20X
Executive standard	EN ISO 6507, EN ISO 6506, ASTM E-384, ASTM E-10-08, ASTM E-384 GB/T231.2, JIG150
Hardness reading	Automatic calculation
power supply	AC220+5%,50~60Hz
Dimensions(mm)	565*230*7980mm
Weight of host	About 200kg

**Accessories:**

Name	Quantity	Name	Quantity
Digital Eyepiece	1	Diameter 2.5,5,10mm Carbide Ball Indenter	1
Standard hardness block	3	Large, V-type test bench	1
Power cable	1	Product certification, product instruction manual	1
Fuse	2	printer paper	1
RS232 Cable	1	Dust cover	1