

Touch Screen Computerized Digital Brinell Hardness Tester

Model: HBST-3000



Brief Introduction:

HBST-3000 adopts precise structure design and the load of test force is controlled by the sensor, which makes the whole structure compact and loading of test force stable and exact.

All the parameters can be showed and set on the 5.6" touch screen with easy operation.

The test process is controlled by CPU, using automatic switching between the objective and the indenter.

The location of switching adopts mechanical and electronic double matching, makes the location more precision.

The instrument has 10 steps test force and 13 kinds of Brinell testing scale for arbitrary selection; automatically recognize and shift between objectives and indenter;

Pre-set the dwell time of test force and regulate the luminosity of light source; Automatically display the testing indentation length, hardness value and testing numbers; Conversion scales of different kinds of hardness;

Test results can be saved for checking or be printed out by the built-in printer, and with RS232 interface for connecting to the computer.

Available to install optional video measuring device and CCD image automatic measuring system.

Highlighted Features:

- 1, Equips with digital eyepiece and precise computer system, just touch once can get hardness result;
- 2, With built-in calibration functions, support set error range;
- 3, Lightness adjust range 0-100;
- 4, Available save 100 groups measuring data;
- 5, Main interface can show 4 valid hardness conversion value, support standards switch among GB, ASTM, ISO;
- 6, with built-in printer, and internet connection to transfer data and save;
- 7, Self-designed optical system, image clarity, brightness adjustable, long-term operation should not be fatigue;

Main Applications:

- 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, bake lite and other non-metallic material hardness tester.

Technical Specifications:

Model	HBST-3000
Scales	HBW2.5/62.5, HBW2.5/187.5, HBW5/62.5, HBW5/125, HBW5/250, HBW5/750, HBW10/100, HBW10/250, HBW10/500, HBW10/1000, HBW10/1500, HBW10/3000
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)
Loading Control	Automatic (Loading/Dwell/Unloading)
Vertical Space	220mm
Horizontal Space	135mm
Indenter to Upper Wall	55mm, support customized
Resolution	0.125um
Dwell Time	0~60s
Hardness Range	8~650HBW
Magnification	20X
Execute Standards	EN ISO 6506, ASTM E-384, ASTM E-10-08, ASTM E-384 GB/T231.2, JJG150
Hardness Reading	Automatic Calculation and display
Data Output	Built-in Printer, USB
Power Supply	AC220±5%,50~60Hz
Dimension	520*210*745mm
Net Weight	150Kg