

## HBE-3000L

HBE-3000L electronic brinell hardness tester adopts advanced electronic sensor loading technology through the closed-loop control system, the CPU controls the sensor to collect signals. The stepping motor automatically loads and unloads the test force, and can automatically compensate the test force to ensure the accurate force value. After the indentation is measured through the Brinell Microscope, the length of the indentation is directly input to obtain the hardness value, which improves the working efficiency. At the same time, it is equipped with an emergency stop device. It is widely used in factory workshops, universities, research institutes, laboratories, etc.



## Main features and features:

1. Equipped with precision sensor and CPU microcomputer control system, it can be automatically compensated, and the test result is accurate and stable.
2. With 10 levels of test force from 62.5 kgf to 3000 kgf.
3. After the indentation is measured through the Brinell Microscope, the hardness of the indentation length is directly input by the button to improve the working efficiency.
4. equipped with a built-in printer, can analyze and print the measurement data.
5. The structure is stable and not deformed, and it can work under relatively harsh environment.
6. The surface is treated with automobile paint, which has strong scratching ability and is still bright and new for many years.

## Application

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

## Parameters

<b>Brinell scale</b>	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
<b>Test force</b>	62.5kgf(612.9N)100kgf(980.7N)125kgf(1226N)187.5kgf(1839N)250kgf(2452 N)500kgf(4903N)750kgf(7355N)1000kgf(8907N)1500kgf(14710N)3000kgf(29 420N)
<b>Load control</b>	Automatic (loading/loading/unloading)
<b>Maximum test height</b>	220mm
<b>Minimum measuring unit</b>	0.005mm
<b>Dwell time</b>	0-60 sec
<b>Measuring range</b>	8-650HBW
<b>Hardness value read</b>	20X
<b>Executive standard</b>	EN, ISO 6507, EN ISO 6506, ASTM E-384, ASTM E-10-08, ASTM E-384
<b>Indenter-upper wall distance</b>	55mm (can increase the pressure from the indenter to the upper wall by customizing the indenter)
<b>Hardness reading</b>	After the indentation is measured through the Brinell Microscope, the length of the indentation is directly input by the button to obtain the hardness value.
<b>Data output</b>	Built-in printer, print content: test conditions, number of measurements, average, maximum, minimum, maximum error, etc.
<b>power supply</b>	AC220+5%, 50-60Hz
<b>Dimensions (mm)</b>	520*210*745mm
<b>Host weight</b>	About 120kg

## Accessories

Name	Quantity	Name	Quantity
Brinell microscope	1 No.	2.5, 5, 10mm diameter carbide ball indenter	1 each
Standard hardness block	2 NOS.	Large, medium and V-type test Tables	1 each
power cable	1 No.	Instruction manual	1 No.
fuse	1 No.	Dust cover	1 No.

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