

HST-HB3000T-AZF Automatic Brinell hardness tester



Product introduction

- 1)The force value ranges from 31.25-3000kGF;12 kinds of Brinell ruler, which can be customized by users;
- 2)The Z-axis rises and falls automatically. After placing the sample, it rises automatically and begins to press marks.Electric loading closed-loop control, automatic loading;
- 3)Each gear force is automatically compensated, and the precision of the force value (3000Kg) is increased by one order of magnitude to 1/1000;
- 4)Automatic turret, indenter position and measurement position automatic conversion;
- 5)When measuring indentation, it is fully automatic focusing without manual adjustment.
- 6)The indentation can be measured both by eyepiece and by computational maneuvering, using the first

dual-optical system with built-in camera and micrometer eyepiece.

7)According to the standard block with different force value, the hardness value is automatically corrected.

8)Large sample space, large sample can be placed; On - the - go, no need to install the weight, no need to install debugging; Touch screen interface, easy to operate, any language version;

9)More sample and test information can be set and saved; Setting parameters of password protection;

10)When the hardness tester is used independently, the data usb disk is directly saved in EXCEL format for easy editing and processing.

11)The products are designed and produced by ourselves, with independent intellectual property rights and software Copyrights, which can be customized and upgraded for a long time.

Technical parameters

Model	HST-HB3000T-AZF
Hardness tester host parameters	
Brinell hardness scale	HBW1/31.25 HBW2.5/62.5 HBW2.5/187.5 HBW5/125 HB 162.5 HBW5/250 HB w5/750 HBW10/100 HB 1500 HBW10/3000 HBW10/500 HBW10/1000
Test force (Kgf)	31.25.5 KGF (306.45N), 62.5 KGF (612.9N), 100KGF (980.7N), 125kGF (1226N), 187.5 KGF (1839N), 250kGF (2452N), 500kGF (4903N), 750KGF (4905n), 1000kGF (7905n), 1500kGF (14710N), 3000kGF (29420N)
Carried standard	BSEN 6506, ISO 6506, ASTM E10, GB/T231
Accuracy of test force	62.5 ~ 250kGF ≤1% 500 ~ 3000kGF ≤0.5%
Measuring device resolution	0.1 um
Hardness resolution	0.1 HBW
Bao load time	0 ~ 99 s
Data output	LCD display
Data store	The measured values are stored in EXCEL format on a usb flash disk

Maximum allowable specimen height	350 mm
Distance from indenter to wall	250 mm
size	700 * 340 * 970 mm
Weight	160 kg
Power supply	AC220± 5%, 50 ~ 60 hz
Software technical parameters	
Brinell hardness scale	HBW2.5/62.5 HBW2.5/187.5 HBW5/62.5 HBW5/250 HBW5/750 HBW10/100 HBW10/500 HBW10/1500 HBW10/3000
Carried standard	BSEN 6506, ISO 6506, ASTM E10, GB/T231
Measuring range	15.9-650HBW (ASTM E10 Recommended Effective hardness value)
Measuring device resolution	0.5%
Accuracy of measurement	Plus or minus 0.5%
Digital imaging	5 million industrial-grade digital cameras
Measuring Method	Manual and automatic measurement (for standard samples)
Calibration method	Standard hardness block/length scale
Support language	Chinese/English (optional)
Power supply	USB power supply

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