

Three Indenters Digital Brinell Hardness Tester Fully Automatic XHB-3000Z III

MAIN FUNCTION

XHBT-3000Z III fully automatic three indenters digital Brinell hardness tester adopts casting shell with strong rigidity and precise structure design, the load of test force is controlled by the sensor, which makes the whole structure compact and loading of test force stable and exact. 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 precision more high. With built-in panel computer, it makes the parameter setting and results show directly with easy operation, it also avoids the stimulation and visual fatigue of the light source of the eyepiece, and reduces the measuring error. After select the scale, the instrument will automatically select the indenter and objective, the test table rises automatically and then back to the focusing position after loading the test force, it shows the clear image of the indentation and automatically measures, which realizes the fully automation of the Brinell test.

- This instrument has 10 level of test force, 13 Brinell hardness test scales, suitable for different kinds of metal materials.
- With three indenters and two objectives, no need to change the indenters when testing different samples; with rigorous optical structure and high magnification, it makes the indentation observed clearly.
- According to the selected scale, with automatic shifting the instrument will automatically select the corresponding indenter and objective for measurement.
- The automatic lifting test table adopts precise structure with high stability, it automatically rises when start measuring, and then back to the focusing position for measuring after loading the test force, which realizes the one key automation.
- It adopts the integrated design of hardness tester and panel computer; With Windows 7 operating system, it has all functions of computer.
- With CCD image measuring system, touch screen operating and displaying, it can preset the test force dwell time, adjust intensity of light source, show the indentation length, hardness value, test range and test number etc.
- The software has the function of calibration, manual fine tuning and set up and down limit etc., which ensures the accuracy of measurement.
- Conversion scales of different kinds of hardness.
- Test result can be saved as WORD or EXCEL report and can be printed out.
- With USB port, VGA interface and network interface, it can connect to the internet and other devices for more optional functions.



LAS IMAGENES PUEDEN VARIAR DEL ORIGINAL; INFORMACIÓN SUJETA A CAMBIO SIN PREVIO AVISO

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APPLICATION RANGE

Suitable for cast iron, steel products, nonferrous metals and soft alloys etc. Also suitable for some nonmetal materials such as rigid plastics and bakelite etc.

TECHNICAL SPECIFICATIONS

MODEL		XHB-3000Z III
Test force	kgf	62.5kgf, 100kgf, 125kgf, 187.5kgf, 250kgf, 500kgf, 750kgf, 1000kgf, 1500kgf, 3000kgf
	N	612.9N, 980.7N, 1226N, 1839N, 2452N, 4903N, 7355N, 9807N, 14710N, 29420N
Test Range		3.18~653HBW
Loading Method		Automatic (Loading/Dwell/Unloading)
Hardness Reading		Indentation Displaying and Automatic Measuring on Touch Screen
Computer		CPU: Intel I3, Memory: 2G, SSD: 32G
Conversion scale		HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HBS, HBW
Data Output		USB Port, VGA Interface, Network Interface
Shifting Between Objective and Indenter		Automatic Recognition and Shifting (Three Indenters, Two Objectives)
Objective		1×, 2×
Total Magnification		20×, 40×
Resolution		1.25μm, 0.625μm
Dwell Time		0~95s
Máx. Height of Specimen		260mm

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Throat	150mm
Power Supply	AC220V, 50Hz
Executed Standard	ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2
Dimension	600×330×890mm, Packing Dimension: 820×460×1170mm
Weight	Net Weight: 150kg, Gross Weight: 180kg

PACKING LIST

NAME	QTY	NAME	QTY
Instrument Main Body	1 Set	1×, 2× Objective	Each 1Pc
Φ2.5mm, Φ5mm, Φ10mm Ball Indenter	Each 1Pc	Small Plane Test Table	1 Pc
Large Plane Test Table	1Pc	V-shaped Test Table	1 Pc
Fuse 2A	2Pcs	Power Cable	1 Pc
Hardness Block 150~250 HBW 10/3000	1Pc	Hardness Block 150~250 HBW 5/750	1 Pc
Inner Hexagon Spanner	1Pcs	Anti-dust Cover	1 Pc
Usage Instruction Manual	1 Copy		

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