

Digital Brinell Hardness Tester XHB-3000



Description:

- XHB-3000 is a semi-automatic and intelligent Brinell Hardness Testing machine, using a pressure sensor to replace the traditional method of using heavy weights, making the machine more accurate.
- XHB-3000 Selection of Test Force and Dwell time is controlled from the Front Panel. The machine is automatic during Loading, Dwell and Unloading.
- XHB-3000 uses a Digital Brinell Microscope with adjustable LED illumination. It is not necessary for the operator to take Readings. It only needs the operator to aim the D1, D2 diameter of indentation and press the Microscope Key twice. The machine will then compute the Brinell scale and display the final result on the LCD display automatically.
- XHB-3000 supports the hardness conversion to other scales, HRC, HRB, HRC, HV, etc.
- XHB-3000 semi-automatic operation and measurement of the indentation, greatly improves testing speed and accuracy.

Specifications:

Product Name	Digital Brinell Hardness Tester
Model	XHB-3000
Testing Force	62.5Kgf 100Kgf 125Kgf 187.5Kgf 250Kgf 500Kgf 750Kgf 1000Kgf 1500Kgf 3000Kgf
Testing Range	612.9N 980N 1226N 1839N 2452N 4900N 7355N 9800N 14700N 29400N
Hardness Display	(8~650) HBW
Magnification of Microscope	LCD Display
Max. Height Of Specimen	20x Mechanical Microscope
Instrument Throat	225mm
Output Data	135mm
Auto Hardness Conversion	RS-232/Printer
Power Supply	HR HV HK etc
Dimension (LxWxH)	AC220V/50Hz 110V/60Hz
Gross/Net Weight	893 x 720 x 747mm
	160Kg/130Kg

Accuracy of Brinell Hardness Testing

Hardness Range	Max. Tolerance	Repeatability
HBW ≤ 125	≤ ± 3.5%	≤ 3.5%
125 < HBW ≤ 225	≤ ± 2.5%	≤ 3.0%
HBW > 225	≤ ± 2.0%	≤ 2.5%

Standard Packing List:

Packing List	Packing List	Packing List	Packing List	Packing List
Instrument Main Body	Test Block HBW/750/05	Ø 2.5mm Ball Indenter	Ø 80mm V-shape Anvil	Anti-dust Cover
20x Digital Microscope	Ø 10mm Ball Indenter	Ø 200mm Flat Anvil	Power Cable/Fuse	Mini-Printer
Test Block HBW/3000/10	Ø 2.5mm Ball Indenter	Ø 60mm Flat Anvil	Accessories Box	Instrument Manual