

MIDLAND METROLOGY LTD

Digital Brinell Hardness Tester MHB-3000



Description:

- MHB-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
- MHB-3000 selection of test force and dwell time is controlled from the front panel. The machine is automatic during Loading, Dwelling and Unloading
- MHB-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 compute the Brinell Scale and display the final result on the LCD display automatically.

Specification:

Product Name		Digital Brinell Hardness Tester
Model	MHB-3000	
Testing Force	62.5Kgf 100Kgf 125Kgf 187.5Kgf 250Kgf 500Kgf 750Kgf 1000Kgf 1500Kgf 3000Kgf	
	612.9N 980N 1226N 1839N 2452N 4900N 7355N 9800N 14700N 29400N	
Testing Range	(8~650) HBW	
Hardness Display	LCD Display	
Magnification of Microscope	20x Mechanical Microscope	
Dwell Time	(0~60) s	
Max. Height of Specimen	225 mm	
Instrument Throat	135 mm	
Power Supply	AC220V / 50Hz 110V / 60Hz	
Dimension (LxWxH)	893 x 720 x 747 mm	
Gross / Net Weight	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 Mainframe	Test Block HBW/750/05	∅ 5 mm Ball Indenter	∅ 60 mm Flat Anvil	Accessories box
20x Digital Microscope	∅ 5/10mm Ball Indenter	∅ 2.5 mm Ball Indenter	∅ 80 mm V-Shape Anvil	Anti-Dust Cover
Hardness Block	Level screw	∅ 200 mm Flat Anvil	Power Cable / Fuse	Instrument Manual

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