

MIDLAND METROLOGY LTD

Electronic Brinell Hardness Tester DHB-3000



Description:

- DHB-3000 is an affordable electronic Brinell testing machine with high accuracy, reliability and durability. Commonly used in machine shops and measuring departments for the testing of ferrous and non-ferrous metals
- DHB-3000 uses a pressure sensor to replace the traditional method of using heavy weights, making the machine more accurate
- DHB-3000 selection of test force and dwell time is controlled from the front panel. The machine is automatic during the process of loading, dwelling and unloading
- DHB-3000 uses a 20x magnification measuring microscope to measure the diameter of indentation. The operator can read the Brinell value from the hardness chart.

Specification:

Product Name		Electronic Brinell Hardness Tester	
Model	DHB-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	Check the Table of Brinell Hardness Scale		
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		
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 Main Body	Hardness Block HBW/750/05	∅ 2.5 mm Ball Indenter	∅ 80 mm V-Shape Anvil	Anti-Dust Cover
20x Mechanical Microscope	∅ 10mm Ball Indenter	∅ 200 mm Flat Anvil	Power Cable	Level Screw / Fuse
Hardness Block HBW/3000/10	∅ 5mm Ball Indenter	∅ 60 mm Flat Anvil	Accessories Box	Instrument Manual

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