

# Digital Low Load Brinell Hardness Tester 601MHB



## Description

- Integration between computer programming, high resolution optics and photoelectrical technology
- Soft key input. Light source adjustment
- Selectable testing mode, conversion tables, dwell time, file number input and data saving function
- Date and test results recording. RS-232 output for printing, PC and camera connection for photography and metallography
- For use with cast iron, non-ferrous, alloy and annealed materials. Especially designed for soft materials such as aluminum, tin etc. Ideal for research institutes, factories, laboratories and QC departments

## Specifications:

Product Name	Digital Low Load Brinell Hardness
Model	601MHB
Testing Force	49.03N 61.92N 98.07N 153.2N 294.2N 306.5N 612.9N 5Kgf 6.25Kgf 10Kgf 15.625Kgf 30Kgf 31.25Kgf 62.5Kgf
Testing Range	(8-650) HBW
Loading Control	Automatic (loading, dwell, unloading)
Lens & Indenter Switch	Auto-Turret
Magnification of Objective Lenses	Observation 5X & Measurement 10X
Magnification of Eyepiece	10X Eyepiece
Measuring Range	0.6 – 1.5 mm
Resolution	0.5µm (5x) 0.25µm (10x)
Dwell Time	0 – 95s
Hardness Value	Manual Measuring Auto Reading / Auto Measuring Auto Reading
Max of Height of Specimen	170 mm
Instrument Throat	130 mm
Power Supply	AC220v/50Hz 110V/60Hz
Instrument Dimensions	535 x 225 x 580 mm

### 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%

### Brinell Scales

Ball Indenter Diameter	Brinell Scales			
5 mm	HBW5/62.5			
2.5 mm	HBW2.5/62.5	HBW2.5/31.25	HBW2.5/15.625	HBW2.5/6.25
1 mm	HBW1/30	HBW1/10	HBW1/5	

Standard Delivery	Standard Delivery	Standard Delivery
Main Body	Ø 5mm Ball Indenter	Ø200mm Flat Anvil
10x Digital Microscope	Ø 2.5mm Ball Indenter	V-Shape Anvil
Objective Lens 5x	Ø 1mm Ball Indenter	Level Screw

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