

Brinell Hardness Tester HBS-3000

Features

- ◆ Accurate, reliable and durable tester at a very cheap price
- ◆ Closed-loop system with load cell enhances the accuracy

Standard Delivery

- ◆ Main unit
- ◆ Measuring microscope 20x
- ◆ Ball indenter $\phi 2.5\text{mm}$, $\phi 5\text{mm}$, $\phi 10\text{mm}$
- ◆ Large flat anvil
- ◆ Small flat anvil
- ◆ V-anvil
- ◆ Hardness test blocks
- ◆ Accessories case
- ◆ Anti-dust cover
- ◆ Instruments certificate
- ◆ Installation & user manual



Technical Specifications

Product name	Digital Brinell Hardness Tester	
Model	HBS-3000	
Test loads	kgf	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000
	N	612, 980.7, 1225, 1838, 2450, 4900, 7350, 9806, 14700, 29400
Test range	HBW8-HBW650	
Dwell time	0-60 sec (5 sec increments)	
Hardness indication	LCD Display	
Magnification of microscope	20x	
Max. height of specimen	225mm	
Instrument throat	135mm	
Dimension (L*W*H)	890mm*720mm*750mm	
Gross/net weight	160kg/130kg	
Power supply	220V or 110V AC, 50Hz or 60Hz	
Standards	Conforms to EN-ISO 6506, ASTM E10, GB/T231.2	

Accuracy of Brinell Hardness Testing

Hardness range	Max. tolerance	Repeatability
HBW \leq 125	$\leq \pm 3.5\%$	$\leq 3.5\%$
125 < HBW \leq 225	$\leq \pm 2.5\%$	$\leq 3.0\%$
HBW > 225	$\leq \pm 2.0\%$	$\leq 2.5\%$

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