



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

SMALL LOAD BRINELL HARDNESS TESTER

- **VALUE**
- **VERSATILITY**
- **PERFORMANCE**



BH-62.5A/B



FUNCTIONS AND FEATURES: -

- Equipped with sophisticated sensors, both test force and test results are more accurate, have more widerange of test force for your choice.
- The main components adopt brand such as American 3M, Allegro, Japan Omron and NKK, to ensure the equipment running stably for a long time.
- Proprietary ball positioning system have more precision of repositioning, ensure the precision andrepeatability of the whole test process .
- Designed by our institution engineer that make the optical system imaging more clearer , brightness is adjustable, comfortable vision, it's not easy to fatigue for long time operation.
- Input the indentation diameter, hardness value is displayed directly, and can display conversion hardnessvalue at the same time, avoid the inconvenience of looking up table.
- The industry LCD screen can be visual display hardness value, hardness unit, conversion hardness, testing force, indenter type, the required minimum thickness, load time, measurement times, and the test process is intuitive and clear, built-in printer can print out measured times, hardness value, average,maximum and minimum values, range for the customer to archive.
- Accompanying equipped with data transmission software, through RS232 interface will transfer hostmeasurement data to the computer to edit and save.
- The shell is one step casting molding with special foundry process, stable structure and no deformation,can work under relatively harsh environment; Pure white car painting and its class is high, have scratch resistance ability, it's still brightness used for years.
- We have our own research and development design, production and processing ability, our machines provide life-long time parts replacement and maintenance upgrade services.

**TECHNICAL SPECIFICATION: -**

Model No.	BH-62.5A	BH-62.5B
Test force	1kg(9.8N)、5 kg(49N) 6.25 kg(61.29N)、10 kg(98N) 15.62 kg(153.2N) 30 kg(294.2N)、31.25 kg(306.25N) 62.5 kg(612.9N)、	
Scale	HB1、HB5、HB6.25、HB10、HB15.62、HB30 HB31.25 HB62.5	
Conversion Scale	HRA, HRB, HRC, HRD, HK, HBS, H15N, H30N, H45N, H15T, H30T, H45T	
Load rate	≤50μm/sec	
Minimum test unit	1μm	
Hardness value read	Digital LCD	
LCD screen size	62x44mm	
Amplification times	50X(observe),100X(measure) (it can expand to 200X)	
Load method	Automatic(load, dwell, unload)	
Dwell time	1-99 S Manual	
Objective and indenter shifting	Automatic	Manual
Specimen maximum height allowed	220mm	
Throat depth	150mm	
Instrument size	560×186×635mm(L×W×H)	
Weight	43kg	
Light source	LED cold light source continuous using 24 hours, will not generate heat and affect the stability of electronic components, life-span can up to 100 thousand hours	
Power supply	110V/220V + 5%, 50/60 Hz	
X-Y worktable	Size:100x100mm, max moving: 25x25mm,minimum read:0.01mm	

Standard Accessories	
Hardness tester : 1 pc	10X micrometer eyepiece : 1 pc
5X and 10X objective : 1 pc	Φ1mm,Φ2.5mm hard alloy ball indenter : 1 pc
large working table : 1 pc	Medium working table : 1 pc
level bubble : 1 pc	Power cable : 1 pc
Dust-proof cover : 1 pc	Manual instruction : 1 pc
Hardness conversion table : 1 pc	Certificate of quality : 1 pc
Warranty card : 1 pc	Accessory box : 1 pc
Data transmission software : 1 pc	Data line. : 1 pc