



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

LOW LOAD ADVANCED DIGITAL BRINELL HARDNESS TESTER



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

BB-62.5AT

**DESCRIPTION:**

BB-62.5AT Advanced digital small load Brinell hardness tester equipped with a large menu type touch screen, test force, dwell time, hardness value, conversion hardness, etc. all can be displayed directly. Close loop load cell design, can select 16 kinds of test scale on touch screen; Easy installation and operation. Worm rod focusing system, ensure more easier focus work.

APPLICATION:

1. Quality control of Industrial production (machinery manufacturing, metallurgy plants, etc.)
2. Research & Inspection of Inspection Institution and universities laboratories.
3. Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, etc.

FEATURES:

- Closed loop with high accuracy load cell, installation very easy.
- Touch-screen with menu structure, easy operation.
- Force loading - dwell - unloading automatically.
- Tester Force value: 1-62.5 kg, total 14 steps force.
- Advanced built-in design light source system, ensure the focus is sharp, accurate measurement (such as using the traditional internal lighting, due to inability to determine the position of the focal plane, resulting indentation size cannot be measured accurately, cannot be identified through a third party);
- Automatic turret, switching between indenter and objective test point automatic positioning accuracy.
- Using 5X, 10X dual-lens, hardness values are automatically calculated and digital display, automatic storage;
- The use of 5X, 10X dual-lens, hardness values were corrected by software errors can be automatically entered;
- Test data can be saved to U disk, easy editing and save.
- Modular design for easy maintenance.
- Support to work with Brinell Indentation Measuring & Analysis Software (optional purchase).



- Support Auto measurement & Manual measurement mode
- With hardness conversion function
- Generate test report in word format with indentation image and hardness curve

TECHNICAL SPECIFICATIONS:

Model No.		BB-62.5AT
Test Force	Kg	1, 1.25, 2.5, 5, 6.25, 7.8125, 10, 15, 15.625, 20, 25, 30, 31.25, 62.5
	N	9.807, 12.258, 24.51, 49.03, 61.29, 76.61, 98.07, 147.1, 153.2, 196.1, 245.17, 294.2, 306.5, 612.9
Ball Diameter (mm)		5mm, 2.5mm, 1mm
Loading Method		Automatic (Loading/Dwell/Unloading)
Dwell Time		0-99S (1 second / step)
Eyepiece		10X (with automatic digital encoder)
Objective		5X, 10X
Total Magnification		50X (measure), 100X (measure)
Illumination		Top quality Built-in Cold LED light; Exterior lighting, each lens comes with a light source
Minimum test unit		0.1 μ m
Resolution		0.1HBW
Data correction		Each lens, automatic correction respectively
Hardness range		3.2-650HBW, display range 3.2-990.7HBW
Test space		140*120mm (H*D)
Data output		USB U disk
Power supply		AC220V+5%, 50-60Hz
Dimensions		60×26×65cm
Weight		55Kg

**STANDARD ACCESSORIES:**

Item Name	Q'ty	Item Name	Q'ty
10X Digital measuring eyepiece	1	Brinell Hardness block	2pcs
Power cord	1	Large, medium, V-type testing bench	1 Each
USB flash disk	1	Fuses 2A	2pcs
Touch screen pen	1	Dust proof cover	1
Ball indenter (Ø1,2.5,5mm)	3	Operation Instruction	1