



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

TOUCH SCREEN DIGITAL UNIVERSAL HARDNESS TESTERS



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

BBRV-250T

**FEATURES:**

- Equipped Brinell, Rockwell, Vickers test methods.
- 5.6-inch Touch-screen interface, easy to operate.
- Close loop, with high accuracy load cell, no need installs weights.
- Test force automatic correction, each file is automatically compensated force, improve the accuracy of the force a number of levels.
- According to GB / ASTM hardness automatic conversion.
- Rockwell automatically correct curvature radius.
- Set a password to protect setup parameters, more samples and testing information.
- Indenter automatic move down, no need manual gives an initial test force.
- Built-in printer can print our test result directly.
- Modular design for easy maintenance.

TECHNICAL SPECIFICATION:

Model No.	BBRV-250T
Brinell Scale	HBW2.5/31.25, HBW2.5/62.5, HBW5/125, HBW2.5/187.5, HBW5/250
Rockwell Scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Vickers Scale	HV3, HV5, HV10, HV20, HV30, HV50, HV100
Conversion Scale	HV, HK, HBW, HRA, HRB, HRC, HRD, HRF, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Test Force	Rockwell: 60kgf(588N), 100kgf(980N), 150kgf(1471N); Initial test force: 10kgf(98N); Brinell: 31.25kgf(306.5N), 62.5kgf(612.9N), 125kgf(1225N), 187.5kgf(1839N), 250kgf(2450N) Vickers: 3kgf(29.4N), 5kgf(49.03N), 10kgf(98.07N), 20kgf(196.1N), 30kgf(294.2N), 50kgf(490.3N), 100kgf(980.7N)
Holding Time	0-60s
Minimum Measuring Unit	0.1μm
Allowed Maximum Sample Size (Test Space)	Allowed max. Sample height in vertical: 180mm(for Rockwell); 165mm(for Vickers & Brinell test mode), Allowed max. Sample height in horizontal: 160mm
Magnification	Eyepiece: 10X, Objective lens: 2.5X (for Brinell), 5X (for Vickers) (10X, 20X for optional) Total magnification: 25X, 50X, 100X
Hardness Read	Touchable LCD display, Built-in printer
Power Supply	AC220V, 50-60Hz
Implementation of The Standards	ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2 ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2 ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2
Dimensions	525*240*700mm
Weight	80kg

**STANDARD ACCESSORIES:**

Item Name	Q'ty	Item Name	Q'ty
10X Eyepiece	1	Brinell Indenter Diameter of 2.5mm, 5mm, Carbide Ball	1 each
Vickers Indenter	1	Rockwell 1.588 Carbide Ball Indenter	1
Rockwell Diamond Indenter	1	Objective Lens 2.5x, 5x, 10x	1 each
Hardness Block	5pcs	Exterior Lighting	1
Power Line	1	Large, Medium, V-Test Sets	1 each
Sliding Test Sets	1	Print Paper	1
Fuse 2A	2	Adjust Level Screw	4
Dust Proof Cover	1	Accessory Box	1

* Due to continuous product development, Image & specification can be upgrade.