



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

TOUCH SCREEN DIGITAL UNIVERSAL HARDNESS TESTER

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



BHBRV-250T

**FEATURES:**

- Equipped Brinell, Rockwell, Vickers test methods;
- 8-inch Touch-screen interface, easy to operate
- Close loop, with high accuracy load cell, no need installs weights;
- According to GB / ASTM hardness automatic conversion;
- Rockwell automatically correct curvature radius;
- Inbuilt printer can print test data out directly;
- RS232 port can connect with PC for data communication;
- One time cast machine body, more sturdy structure;
- Car painting technology, beautiful appearance;
- Modular design for easy maintenance.

TECHNICAL SPECIFICATIONS:

Model No.	BHBRV-250T
Test force	5-250kg
Brinell Scale	HBW1/5, HBW1/10, HBW1/30, HBW2.5/6.25, HBW2.5/15.625, HBW2.5/31.25, HBW2.5/62.5, HBW2.5/187.5, HBW5/62.5, HBW5/125, HBW5/250, HBW10/100
Rockwell Scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Superficial Rockwell	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y, HR15W, HR30W, HR45W
Vickers Scale	HV5, HV10, HV20, HV30, HV40, HV50, HV60, HV80, HV100, HV120
Test force	Brinell: 5kgf(49N), 6.25kgf (61.25N), 10kgf(98N), 15.625kgf (153.125N), 30kgf(294N), 31.25kgf (306.25N), 62.5kgf (612.5N), 100kgf(980N), 125kgf(1225N), 187.5kgf (1837.5N), 250kgf(2450N) Rockwell: 60kgf(588N), 100kgf(980N), 150kgf(1471N); Initial test force:10kgf(98N); Superficial Rockwell: 15 / 30 / 45kgf; (147.1 / 294.2 / 441.3N); Initial: 3Kgf (29.42N) (optional) Vickers: 5kgf(49N), 10kgf(98N), 20kgf(196N), 30kgf(294N), 40kgf(392N), 50kgf(490N), 60kgf(588N), 80kgf(784N), 100kgf(980N), 120kgf(1176N)
Holding Time	0-99s
Hardness resolution	0.1HR, 0.1HBW, 0.1HV
Allowed maximum sample size	Allowed max. Sample height in vertical: 180mm (for Rockwell); 165mm (for Vickers & Brinell test mode); Allowed max. Sample height in horizontal: 160mm
Magnification	Eyepiece: 15X, 2.5X (for Brinell), 5X & 10X (for Vickers) Total magnification: 37.5X, 75X, 150X
Hardness read	Touchable LCD display, built-in printer and RS232 port



Power supply	AC220V, 50-60Hz
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	Machine size: 540*340*800mm Packing size: 761*580*940mm
Weight	N/W: 80kg; G/W: 130kg

STANDARD ACCESSORIES:

Part Name	Q'ty	Part Name	Q'ty
15X 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 2.5 x, 5x, 10x	1 each
Hardness block	7pcs	Exterior lighting	1
Power line	1	Large, medium, V-test sets	1 each
Sliding test sets	1	Printer paper	1
Fuse 2A	2	Adjust level screw	4
Dust proof cover	1	Accessory box	1