

TOUCH SCREEN DIGITAL DISPLAY MICRO VICKERS HARDNESS TESTER



BHVS-1000TS

49/39, Site IV Ind Area, Sahibabad, Ghaziabad - 201010,

Uttar Pradesh, India

www.banbrosindia.com



BANBROS ENGINEERING PVT. LTD. The Precision Measurement People

FEATURE:

- Simplified version without printer and interface, single lens for measurement.
- Manual turret shifting between indenter and objective lens
- Standard 8-level force, from 10gf (0.098N) to 1kgf (9.8N), 2Kgf (19.6N) is optional, users can customize the test force.
- After measuring the indentation diagonal length, the system will automatically calculate and display the hardness value.
- Based on the standard block of different forces, the hardness value can be corrected automatically.
- "Touch-screen interface, easy to operate, multi-language is available.
- esting data can be saved into U disk directly in EXCEL format, which is convenient for easy editing and processing (Optional USB interface).
- The information of test samples, operator etc. can be input and saved.
- Password can be set to protect setting parameters.
- Measured hardness value can be automatically converted to other scales.
- Modular design, easy maintenance, large space for sample.
- Optional image measuring system can be equipped with this hardness tester so as to connect with computer for automatic operation.

APPLICATION:

• Heat treatment, carbide, quench hardened layer, the surface coating layer, steel, non-ferrous metal and small and thin shape parts, etc.

Model No.	BHVS-1000TS		
Test force	10gf (0.098N), 25gf (0.245N), 50gf (0.49N), 100gf (0.98N), 200gf (1.96N), 300gf (2.94N), 500gf(4.9N), 1kgf (9.8N)		
Standard Conformed to	GB/T 4340.2, ISO 6507-2, ASTM E384		
Min measuring unit	0.01µm		
Conversion Scale	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T		
Hardness measuring range	8~2900HV		
Method of testing force applied	Automatic (Loading, Dwelling, Unloading)		
Turret Type	Manual		
Test microscope magnification	400X (Measuring), 100X (observation) (Optional 50X, 200X, 500X, Maximum 1000X)		
Test force dwell time	1~99s		
X-Y test sets	Dimension: 100*100mm Maximum travel 25*25mm		
Data output	Touch-screen display, RS232 interface & Printer. USB disk interface is optional to replace printer		
Maximum specimen height	100mm		
Distance from the center to the outer wall of the indenter	135mm		
Power supply	AC 220V or 110V, 50 or 60Hz		
Dimensions	540*260*650mm		
Net Weight	About 50Kg		

TECHNICAL SPECIFICATIONS:

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Operation Interface

Operator	
Sample	
Range	То
Load(kg)	Dwell Time(S)
Turret 📶	x Indenter 40x
Brightness 👕	Start
D1	D2
Conversion	
Heset	Calibrate

Main Interface

Conversion Scale Interface



Calibration Interface

Data interface

	DATA	
Calibration Magnification	NO. Nardness-S Hardness-Y Conversion-S Conversion-V	
Pulses: X Y		
Scale Scale Scale California	L'ast Next Clean Statistica	
Return	VAX VIN AVE VAR OPTIME Emoty Return	

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STANDARD ACCESSORIES:

ltem	Qt'y	Item	Qt'y
Axle weight	1	Weight	6
Cross test sets	1	10X eyepiece test	1
Vickers hardness block (high block, low block)	1 each.	USB disk (Optional)	1
Level	1	Plastic dust cover	1
Screwdriver	2	Adjusting screw	4 Pcs.
Power line	1	Spare fuse (2A)	2 pcs.
Product Manual	1	Product certification	1

Note: Special accessories can be provided.

- Knoop indenter: can measuring some high hardness materials.
- Video measuring apparatus can be provided. It can display the testing indentation image on the screen and make the measurement.
- CCD image processing system can be provided. It will clearly show indentation image on a computer screen, and make automatic or manual measurement through PC.
- Digital micrometer can be provided to be equipped on X-Y stage to realize digital movement control.