



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

AUTO TURRET DIGITAL DISPLAY VICKERS HARDNESS TESTER

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



BHVS-TA SERIES



FEATURES:

- Automatic turret shifting between indenter and objective lens.
- Large 8" touch screen, direct visual display and interactive operating interface.
- High speed ARM processor, fast operation speed and extensive database storage.
- High quality integral casting cast iron machine body with automotive paint treatment process, the appearance is smooth and beautiful.
- The hardness scale, test force, indenter type, holding time and the conversion unit can be displayed on screen and set.
- HD measurement and observation - dual objective lens combination, combined with the built-in length encoder HD micrometre eyepiece, to achieve indentation diagonal one-key measurement, greatly reduce the manual interference and reading error.
- Convenient control system can automatically convert the unit of full hardness scales.
- The maximum and minimum hardness values can be set, when the test value exceeds the set range, an alarm sound will be issued.
- With the function of software hardness value correction, the hardness value can be directly corrected within a certain range.
- With the database function, the testing data can be saved automatically in groups, each group can save 10 data, totally can save up to 2000 data.
- With the hardness value curve display function, intuitively display the changes of hardness value.
- CCD image measuring system is optional.
- Equipped with wireless blue-tooth printer, the data can be output through RS232 or USB interface.
- Accuracy is in line with GB/T4340.2 ISO6507-2 and us ASTM E92.
- It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

**MAIN INTERFACE:****TECHNICAL SPECIFICATIONS:**

Model No.	BHVS-5TA	BHVS-10TA	BHVS-30TA	BHVS-50TA
Test force	0.3, 0.5, 1.0, 2.0, 3.0, 5.0kgf	0.3, 0.5, 1.0, 3.0, 5.0, 10.0kgf	1.0, 3.0, 5.0, 10.0, 20.0, 30.0kgf	1.0, 5.0, 10.0, 20.0, 30.0, 50.0kgf
	(2.942, 4.904, 9.807, 19.61, 29.42, 49.03N)	(2.942, 4.904, 9.807, 29.42, 49.03, 98.07N)	(9.807, 29.42, 49.03, 98.07, 196.1, 294.2N)	(9.807, 49.03, 98.07, 196.1, 294.2, 490.3N)
Conversion Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HBW, HV, HK, HS, HLD			
Hardness measuring range	5~5000HV			
Measuring Resolution	0.025µm		0.1µm	
Hardness resolution	0.1HV			
Max Height of Specimen	220mm			
Depth of throat	130mm			
Carried standards	GBT4340.2, ISO6507-2, ASTM E92			
Magnification of eyepiece	10X		10X	
Magnification of objective lens	10X, 40X		10X, 20X	



Total magnification	100X, 400X	100X, 200X
Data output	LCD digital display, wireless blue-tooth printer, RS232 and USB interface	
Dwelling time	1~99s	
Power supply	AC 220V or 110V, 50 or 60Hz	
Overall Dimensions	620*330*650mm	
Net weight	About 75Kg	

* Due to continues product development, product image & Specifications are subject to change.

* Customization can be done as per user requirement.

STANDARD ACCESSORIES:

Large flat anvil: 1 pc.

Small flat anvil: 1 pc.

V-notch anvil: 1 pc.

Diamond pyramid penetrator: 1 pc.

Vickers standardized block: 2 pcs.

Note: Special accessories can be provided.

- 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.