

## Digital Universal Hardness Tester

HBRVS-187.5 is a high precision, easy operation, high sensitivity metal hardness instrument which is combine the Rockwell, Brinell, and Vickers hardness principle widely used in factory workshops, laboratories, universities and research institutions.

- ※ Large LCD and Microchip control system, makes hardness testing be automatically operated.
- ※ Built-in printer records the main technical data of the entire testing process.
- ※ Adopting manual lifting platform, it completely achieves the realization of the test force imposing, removing, hardness value direct showing and other automated operation.
- ※ High accuracy avoiding the human operational error, is a mechanical and electrical integration also high-tech and advanced hardness tester.



HBRVS-187.5

## Specification

Model	HBRVS-187.5
Rockwell scales	HRA, HRB, HRC
Brinell scales	HBW2.5/31.5, HBW2.5/62.5, HBW5/62.5, HBW2.5/187.5
Vicker's scales	HV30, HV100
Initial test force	98N(10kgf)
Total test force	Brinell test(kgf): 30, 31.25, 62.5, 100, 187.5 Rockwell test(kgf): 60, 100, 150 Vickers test(kgf): 30, 100
Hardness test range	Brinell test (8-650)HB Indication accuracy (%):±2.5
	Rockwell test (70-85)HRA; (30-100)HRB; (20-67)HRC Indication accuracy: ± 1HR
	Vickers test (14-1000)HV Indication accuracy (%):± 2
Microscope magnification	37.5×、75×
Hardness reading	LCD
Measuring eyepiece	Automatic digital encoder
Total test force loading	1-60s
Maximum height of	170 (Rockwell) ,140(Vickers, Brinell)
Depth of throat (mm)	165
Dimensions	550×260×800mm
Power supply	1P, AC220V, 50Hz
Weight	80kg
Standard accessories	diamond cone Rockwell and Vicker's indenter, Ø1.5875mm Rockwell ball indenter, Ø2.5, Ø5mm hard alloyed steel ball Brinell indenter, Big, small, V-shaped test table, standard hardness block(Brinell, Rockwell, Vickers), Weight block(0#,1#,2#,3#,4#), Printing paper, Measuring Microscope Accessories