

## Brinell, Rockwell & Vickers Universal Hardness Tester

It serves the purpose of measuring the hardness of Rockwell, Brinell and Vickers for metals, alloy, carburized layers and chemical treating layers surface.



HBRV-187.5



HBRVU-187.5

### Specification



Model	HBRV-187.5	HBRVU-187.5
Rockwell scales	HRA, HRB, HRC	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	
Preliminary test force	98N(10kgf)	
Rockwell test load	588N(60kgf), 980.7N(100kgf), 1471N(150kgf)	
Brinell test load	294.2N(30kgf),306.5N(31.25kgf),612.9N(62.5kgf),980.7N(100kgf),1839N(187.5kgf)	
Vickers test load	294.2N(30kgf), 980.7N(100kgf)	
Magnification of microscope	37.5X and 75X	
Loading control	Automatically	Hand
Max. height of specimens	170mm (Rockwell hardness) 100mm(Brinell, Vickers hardness)	160mm
Distance from indenter's center to outerWall	165mm	200mm
Duration time	2-60S	
Machine size (D×W×H) (mm)	520×215×700	560×260×767
Power supply	AC220V/50Hz , AC110V/60Hz	
Weight (kg)	80	90
Standard accessories	Diamond Rockwell indenter, Diamond Vickers indenter, Ø1.5875mm hard alloy ball indenter, Ø2.5mm, Ø5mm hard alloy ball indenter, Testing table (large, medium, "V"), Standard hardness block ( Rockwell, Brinell, Vickers ), Power cord Weight (0#,1#,2#,3#,4#), 15X microscope eyepiece, 2.5X objective, 5 X objective lens	