



Features

HBRV-187.5 Brinell Rockwell & Vickers hardness tester is a multi-functional hardness tester with Brinell, Rockwell & Vickers three test modes and 7 level of test forces, which can test several kinds of hardness. Test force loading, dwell, unload adopts automatic system, widely used and easy to operate, therefore it is the popular machine for industrial enterprises and scientific research institutes.

Application Range

Suitable for hardened and surface hardened steel, hard alloy steel, casting parts, non-ferrous metals, various kinds of hardening and tempering steel and tempered steel, carburized steel sheet, soft metals, surface heat treating and chemical treating materials etc.

HBRV-187.5

UNIVERSAL HARDNESS TESTER

Standard Delivery

•Main unit	1	•Slipped Test Table	1
•Diamond Rockwell Indenter	1	•Middle Test Table	1
•Diamond Vickers Indenter	1	•Large Test Table	1
• $\phi 1.588\text{mm}$, $\phi 2.5\text{mm}$, $\phi 5\text{mm}$		•V-shaped Test Table	1
Ball Indenter	3	•2.5 $\times$, 5 $\times$ Objective	2
•15 $\times$ Digital Measuring Eyepiece	1	•Weights 0, 1, 2, 3, 4	5
•Microscope System (include the inside light and outside light)	1	•Horizontal Regulating Screw	4
•Hardness Block 150~250 HBW 2.5/187.5	1	•Power Cable	1
•Hardness Block 60~70 HRC	1	•Fuse 2A	2
•Hardness Block 20~30 HRC	1	•Level	1
•Hardness Block 80~100 HRB	1	•Spanner	1
•Hardness Block 700~800 HV30	1	•Screw Driver	1
•Usage Instruction Manual	1	•Anti-dust Cover	1

Technical Specification

Model	HBRV-187.5
Rockwell Test Force	60kgf (588.4N), 100kgf (980.7N), 150kgf (1471N)
Brinell Test Force	30kgf (294.2N), 31.25kgf (306.5N), 62.5kgf (612.9N), 100kgf (980.7N), 187.5kgf (1839N)
Vickers Test Force	30kgf (294.2N), 100kgf (980.7N)
Hardness Reading	Rockwell: Dial, Brinell & Vickers: Check Hardness Table
Magnification	Brinell: 37.5 $\times$, Vickers: 75 $\times$
Resolution	Rockwell: 0.5HR, Brinell & Vickers: Check Hardness Table
Dwell Time	2~60s
Max. Height of Specimen	Rockwell: 185mm, Brinell: 100mm, Vickers: 115mm
Throat	165mm
Power Supply	AC220V, 50Hz
Execute Standard	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 Z224, GB/T 4340.2
Dimension	520 $\times$ 240 $\times$ 700mm Packing Dimension: 650 $\times$ 370 $\times$ 950mm
Weight	Net Weight: 80kg, Gross Weight: 105kg