

KASON HTBRV-DX Series Touch Screen Display Universal Hardness Tester

Application:

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.

Features:

1. Equipped Brinell, Rockwell, Vickers test methods
2. Electronic and electric loading, high precision sensor, with a unique closed-loop control system
3. Eyepiece structure with digital encoder, measuring D1, D2 value, LCD directly display hardness value and D1, D2 value
4. Directly select the hardness scale, the force value automatically changes in the test parameters
5. The test force is automatically corrected, and each force is automatically compensated. The accuracy of the force is improved by an order of magnitude
6. Can be calibrated according to standard hardness block or length scale
7. The test force can be automatically corrected by standard dynamometer
8. The hardness values of brinell, rockwell and vickers can be converted
9. Touch screen, easy to operate
10. Automatic hardness conversion according to national standard /ASTM
11. Set password protection setting parameters, more sample and test information
12. U-disk of measurement data is saved in EXCEL format for easy editing and processing

**Technical Parameters:**

MODEL	KASON HTBRV-187.5DX	KASON HTBRV-250DX
Initial Test Force	Rockwell: 10kgf(98.07N) , Superficial Rockwell: 3kgf(29.4N)	
Total Test Force	Rockwell : 588.4, 980.7, 1471N (60, 100, 150Kgf)	
	Brinell : 49, 98, 153.2, 306.5, 612.9, 1226, 1839, 2452N (5, 10, 15.625, 30, 31.25, 62.5, 125, 187.5Kgf)	Brinell : 49, 98, 153.2, 306.5, 612.9, 1226, 1839, 2452N (5, 10, 15.625, 30, 31.25, 62.5, 125, 187.5, 250Kgf)
	Vickers : 49.03, 98.07, 196.1, 294.2, 490.3, 980.7N (5, 10, 20, 30, 50, 100, 120Kgf)	
Hardness resolution	0.1HBW	
Hardness Scale	Rockwell : HRA、HRB、HRC、HRD、HRE、HRF、HRG、HRH、HRK、HRL、HRM、HRP、HRR、HRS、HRV	

	Brinell: HBW1/5、HBW2.5/62.5、HBW1/10、HBW2.5/15.625、HBW1/30、HBW2.5/31.25、HBW2.5/62.5、HBW10/100、HBW5/125、HBW2.5/187.5 (select 10 scales)	
	Vickers: HV3、HV5、HV10、HV20、HV30、HV40、HV50、HV60、HV80、HV100、HV120(select 10 scales)	
Hardness Conversion Scale	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T	
Hardness Range	Rockwell: 20-88HRA, 20-100HRB, 20-70HRC; Brinell: 5-650HBW; Vickers: 5-3000HV	
Hardness Resolution	0.1HBW, 0.1HR, 0.1HV	
Indication Accuracy	Brinell: ± 2.5 HB, Rockwell: ± 0.1 HR, Vickers: ± 2 HV	
Repeatability	Brinell: ≤ 3.0 HB, Rockwell: 0.5HR, Vickers: ≤ 2.5 HV	
Magnification	Objective: 2.5X, 5X (10X, 20X optional) Total magnification: 37.5X, 75X	
Dwelling Time	0~90s Adjustable	
Test Throat	200mm	
Test Height	Rockwell 220mm; Brinell 150mm, Vickers 150mm	
Data Output	Touchable LCD display, USB Flash Disk / built-in printer	
Executive Standards	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 Z2244, GB/T 4340.2	
Power	AC 220V+5%, 50-60Hz	
Machine Dimension	560*260*800mm	
Weight	About 70Kg	
Package size	730*450*990mm	730*650*900mm
Gross weight	102kg	106kg

Standard configuration:

Item	Qty	Item	Qty
Main host	1	Lighting (internal lighting, external)	1
Rockwell, Vickers diamond indenter	2	Power cable	1
Ball indenter ($\phi 1.588$ 、2.5、5mm)	3	Fuse 2A	2
Eyepiece (15X)	1	Regulating screw	4
Objective (2.5X, 5X)	2	Dust bag	1
Sliding test table	1	Manual	1
Large, medium, V-test table	3	Quality certificate	1
Hardness block	5	Packing list	1
U disk, touch pen	Each		