

HST-HBRV187.5/250STH Universal Hardness Tester



Picture is for reference only

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:

- Adopt 8-inch touch screen, rich display content, easy operation.
- Ready to use after power on, no need to install weights.
- Electronic loading, closed-loop force control, high precision, to ensure the stability and repeatability of test results.
- Three methods of Brinell, Rockwell and Vickers Hardness Test.
- Automatic hardness conversion.
- Equipped with high-precision optical system, can clearly present the indentation to ensure the accuracy of measurement.
- With large storage space, it can store a large amount of measurement data, and can be easily retrieved and printed. Users can view historical test data at any time, conduct data analysis and comparison, and provide strong support for quality control and research work.

Technical Parameters:

MODEL	HST-HBRV187.5STH	HST-HBRV250STH
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)	
Force Error	<0.5%	
Hardness Scale	Rockwell: HR15N、HR30N、HR45N、HR15T、HR30T、HR45T、HR15X、HR30X、HR45X、HR15Y、HR30Y、HR45Y、HR15W、HR30W、HR45W、HRA、HRB、HRC、HRD、HRE、HRF、HRG、HRH、HRK、HRL、HRM、HRP、HRR、HRS、HRV	
	Brinell: HBW1/5、HBW1/10、HBW1/30、HBW2.5/6.25、HBW2.5/15.625、HBW2.5/31.25、HBW2.5/62.5、HBW5/31.25、HBW10/100、HBW2.5/187.5、HBW5/62.5、HBW5/125HBW5/125,HBW10/100	
	Vickers: HV3、HV5、HV10、HV20、HV30、HV40、HV50、HV60、HV80、HV100、HV120	
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	Eyepiece: 15X, 2.5X (for Brinell), 5X (for Vickers) Total magnification: 37.5X, 75X	
Dwelling Time	0~90s Adjustable	
Test Throat	160mm	
Test Height	Rockwell 180mm; Brinell 165mm, Vickers 165mm	
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	550*230*780mm
Weight	80kg