

SHB-3000X Digital Brinell Hardness Tester

Feature:

SHB-3000X Digital Brinell hardness tester is a unified product combining the precise mechanical structure and the load cell control system. The instrument adopts the motorized test force application without weights, and uses 0.5‰ accuracy compression sensor to feedback and the CPU control system to automatically compensate the test force lost during the test. The indentation can be directly measured through the digital measuring eyepiece, and it can intuitively show the test force, indentation length, dwell time, test number, date and time on the large screen. As long as press the eyepiece button after measuring the indentation length, it can automatically get the hardness value and shows on the screen. Test results can be saved for checking or be printed out by the built-in printer, and with RS232 interface for connecting to the computer. According to the client's requirement, it can be equipped with video measuring device and CCD image automatic measuring system.

Standard: ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2

Application:

Suitable for cast iron, steel products, nonferrous metals and soft alloys etc. Also suitable for some nonmetal materials such as rigid plastics and bakelite etc.



Technical Specification:

Model	SHB-3000X	
Test Force	kgf	62.5kgf, 100kgf, 125kgf, 187.5kgf, 250kgf, 500kgf, 750kgf, 1000kgf, 1500kgf, 3000kgf
	N	612.9N, 980.7N, 1226N, 1839N, 2452N, 4903N, 7355N, 9807N, 14710N, 29420N
Test Range	3.18~653HBW	
Hardness Reading	LCD display	
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N,	
Data Output	built-in printer, RS232 interface	
Microscope	20× digital measuring eyepiece	
Resolution	1.25μm	
Dwell Time	0~60s	
Max. Height of Specimen	225mm	
Throat	135mm	
Dimension(LWH)	machine size:545×235×790mm, packing size: 650×435×1060mm	
Weight	Net Weight: 130kg, Gross Weight: 160kg	
Power Supply	AC220V, 50Hz	

Standard accessories:

NO.	Name	Qty	NO.	Name	Qty
1	Instrument Main Body	1	7	20× Digital Measuring Eyepiece	1
2	Φ2.5mm, Φ5mm, Φ10mm Ball Indenter	3	8	Large Plane Test Table	1
3	Small Plane Test Table	1	9	V-shaped Test Table	1
4	Hardness Block 150~250 HBW 10/3000	1	10	Hardness Block 150~250 HBW 5/750	1
5	Fuse 2A	2	11	Power Cable	1
6	Anti-dust Cover	1	12	Usage Instruction Manual	1