

Brinell Hardness Tester (Electronic)

【BHT-3000E】



Test Structure Design



Precision Cast Iron Body



Assembly & Inspection



Innovation Design R&D
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Sophisticated Sensors
Microcomputer Control System

Electronic Brinell hardness tester remove the original weight loaded, adopt closed loop sensor control technology, higher accuracy and repeatability, stable performance, the machine appearance is beautiful, has a high performance, are widely used in the factory workshop and laboratory.

Main features:

1. Equipped with sophisticated sensors and a microcomputer control system, dynamic force value fluctuation is less than 1/1000, test results are more accurate.
2. It possesses the 10 grades test force, it can test 10 Brinell scales, with wider test range.
3. Equipped with high performance of servo motor which automatically load/unloading, it cause the less noise when do test.
4. The outer shell of machine is formed of special founding unibody cast technology, stable structure, it is not easy to be out of shape, can work under relatively harsh environment.
5. With pure white car painting with a classy look, have scratch resistance ability, it's still brightness used for years.
6. This machine can connect to Brinell image software, improving the efficiency.

Brinell Hardness Tester (Digital)

【BHT-3000D】



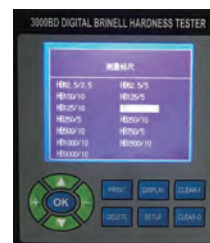
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Digital Display Encoder
Data Computing System

Digital Brinell hardness tester adopts imported components ensure equipment running more stable and test result is more accurate; powerful data measurement control system accompanying with 5.6 inch LCD screen function is more comprehensive, this machine is simple and easy to operate, the appearance is high end, the ideal choice for high requirement client.

Main function and features:

1. Equipped with Japan Omron encoder digital display micrometer eyepiece and precise data calculating system, only gently touch can directly show the hardness value.
2. Equipped with sophisticated sensors and a microcomputer control system, dynamic force value fluctuation is less than 1/1000, test results are more accurate.
3. The main components adopt brand such as American 3M, Allegro, Japan Omron and NKK, to ensure the equipment running stably for a long time.
4. Equipped with high performance of servo motor which automatically load/unloading, it cause the less noise when testing.
5. The optical system imaging is more clearer , brightness is adjustable, comfortable vision, it's not easy to fatigue for long time operation.
6. Input the indentation diameter, hardness value is displayed directly, and can display conversion hardness value at the same time, avoid the inconvenience of looking up table.
7. The industry LCD screen can be visual display hardness value, hardness unit, conversion hardness, testing force, indenter type, the required minimum thickness, load time, measurement times, and the test process is intuitive and clear, built-in printer can print out measured times, hardness value, average, maximum and minimum values, range for the customer to archive.
8. Optional data transmission software, through RS232 interface will transfer host measurement data to the computer to edit and save.
9. The shell is one step casting molding with special foundry process, stable structure and no deformation, can work under relatively harsh environment.
10. Pure white car painting with a classy look, have scratch resistance ability, it's still brightness used for years.

Brinell Rockwell Vickers Hardness Tester

Brinell Hardness Tester (Electronic) 【BHT-3000E】

Brinell Hardness Tester (Digital) 【BHT-3000D】

Main application:

1. Brinell hardness with huge test force, the indentation is large, which adapts to test the big size grain metal, reflecting the combination property.
2. Cast iron, steel, ferrous metal especially for rather soft metal, such as pure aluminum, lead, tin etc.

Technical parameters:

Model	BHT-3000E	BHT-3000D
Brinell scale	HBW2.5/62.5,HBW2.5/187.5,HBW5/125,HBW5/750,HBW10/100,HBW10/250,HBW10/500,HBW10/1000,HBW10/1500,HBW10/3000	
Test force	62.5kgf(612.9N),100kgf (980.7N),125kgf (1226N),187.5kgf (1839N),250kgf (2452N),500kgf (4903N),750kgf (7355N),1000kgf (8907N),1500kgf (14710N),3000kgf (29420N)	
LCD Screen size	none	118x99mm
Minimum measuring unit	0.005mm	0.00125mm
Measuring range	8~650HBW	
Hardness value read	Check table	Digital LCD
Hardness range	8-650HBW	
Total amplification	20X	
Load method	Automatic(load, dwell, unload)	
Dwell time	1-99S (each step 1 s)	
Max. height allowed	220mm	
Throat depth	120mm	
Instrument size and weight	530x187x758mm (L×W×H)	135kg
Package size and weight	625x430x950mm (Lx W x H)	149kg
Power supply	AC220V + 5%, 50~60 Hz AC110V available	
Executive standard	ASTM E10,ISO 6506,JJG150,GB/T231.2 inspection rules	
Standard accessories	Hardness tester; 20X measuring objective;Φ2.5,Φ5,Φ10mm harden alloy indenter ; big, medium and “V” test table; power cable ; accessory box ;dust-proof cover ; manual instruction; 2 pieces Standard hardness block	
Optional accessories	Hardness measurement software (HB-CCD-B) ; computer; printer; standard indenter; standard block.	

Brinell Measuring Software

【HB-CCD-B】



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This system include the electronic or digital Brinell hardness tester and Brinell measurement software, hardness indentation could be fast read to the computer by portable microscope; only needed to use keyboards and mouse, after the software automatically calculates that can complete the test requirements, can improves working efficiency, it is a perfect solution to test hardness value.

Main functions and features of software:

1. Standard configuration: BRINELL hardness measurement software, dongle, HD CCD, USB data transmission line, computer equipment (optinal)
2. Image analysis software can be customized for kinds of functions, completed, handy operation and meet most customers' demands.
3. It can enlarge the indentation image measurement, and can be amplified again for diagonal part to avoid manual error.
4. It can automatic to identify the indentation image and measure the indentation diameter for bright and clear sample surface.
5. Real time display the indentation diameter, hardness value, indentation depth, material strength, conversion hardness value and etc.
6. It possesses the unique mark positioning function, testing the positioned point hardness value.
7. It can be adjusted the color, gray, contrast ratio, lightness of the image.
8. Attached with function of indentation tangency fine tuning, length measurement and angle measurement etc..
9. It possesses the function of test result statistical analysis, automatic generation and export for the format of Word, and Excel of hardness measurement analysis report, and save the indentation image, print etc..
10. Support WINXP,WIN7,WIN10, 32 & 64 bit operation system.