



CHB-3000 Electronic Brinell hardness tester

Introduction:

CHB-3000 Electronic Brinell hardness tester adopts the closed loop sensor to load, the electronic system to control and with 10 steps test force.

Without weight blocks, the tester adopts the motor to load and unload test force, the pressure sensor with 0.5‰ accuracy to feedback the signals, the CPU to control and automatically compensate the test force lost during test. The test force value and dwelling time can be inputted on the touch panel by key in or selection. The tester is with high precision, high repeatability and stability, accuracy readout and easy operation, etc.

Usage Range

Brinell hardness test that shows largest indentation among all hardness tests is able to reflect the comprehensive features of material, and the test is unaffected by the organization micro-segregation and the componential unevenness of specimen; and hence it is a hardness testing method with high precision. The Brinell hardness test is widely used in such industrial fields as metallurgy, forging, casting, unhardened steel and non-ferrous metals industries, as well as in

laboratories, universities, colleges and scientific research institutes.

Technical Specifications:

Model	CHB-3000
Brinell Scale	HBW2.5/62.5 HBW2.5/187.5 HBW5/125 HBW5/750 HBW10/100、HBW10/1500 HBW10/3000 HBW10/250 HBW10/500 HBW10/1000
Testing 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)
Max Height of Specimen	230mm
Min Measuring Unit	0.005mm
Duration time	5~60s
Hardness testing Range	8~650HBW
Magnification of Microscope	20X
Carried Standard	GB/T231.2 Chinese Standard, JJG150 Inspection Rule
Distance of Indenter to outer wall	160mm
Indication of Hardness Value	Look-up Table
Power supply	AC220±5%,50~60Hz





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Overall Dimension (mm)	550*210*750mm
Net Weight	About 90kg

Standard Accessories:

Name	Quantity	Name	Quantity
Measurement microscope	1	Diameter 2.5、5、10mm Hard Alloy Steel Ball Indenter	Each 1
Standard Blocks	3	Large, Medium, "V" shaped Testing Table	Each 1
Power Cable	1	Product certificate, Printer Manual	Each 1



Different test blocks can be chosen