

Digital Touch Screen Brinell Hardness Tester BTCZ3000



Description:

- Adopts the combination of panel computer and hardness tester.
- All the required parameters can be selected on the panel computer via the touchscreen display.
- In the video measurement, through the CCD interface it directly displays the dynamic indentation image, locks the image and automatically measure the Brinell hardness.
- It has high measurement accuracy and stable performance.
- It avoids the artificial operation error and can choose the conversion value among the hardness scales, save the results of each measurement and generate the image report.
- The load of test forces is completed by motor servo system and precision mechanical drive.
- It realizes the automation of hardness test from automatic turret to automatic measurement.
- It displays dynamic test force changes on the screen and makes the operation process clear.
- The hardness tester with novel style and complete functions has the international advanced level.
- Two kinds of Brinell hardness test methods:
 •HBW—Video measuring indentation average diameter to get the hardness value
 HBT—Through the grating measurement of indentation depth to get the hardness value.

Specifications:

Product Name	Digital Brinell Hardness Tester
Model	BTCZ3000
Testing Force	62.5Kgf 100Kgf 125Kgf 187.5Kgf 250Kgf 500Kgf 750Kgf 1000Kgf 1500Kgf 3000Kgf 612.9N 980N 1226N 1839N 2452N 4900N 7355N 9800N 14700N 29400N
Test Force Control	Closed-loop system Automatic (Loading/Dwell/Unloading)
Loading Time	2~8 seconds
Dwell Time	1~99 seconds
Test Scale	13 Scales
Testing Range	(8~650) HBW
Hardness Display	Computer Display
Display Magnification	20X
Max. Height Of Specimen	350mm
Instrument Throat	150mm
Output Data	RS-232/Printer
Auto Hardness Conversion	HR HV HK etc
Power Supply	AC220V/50Hz 110V/60Hz
Dimension (LxWxH)	1100 x 600 x 405mm
Gross/Net Weight	330Kg/275Kg
Execution Standard	GB/T231.2 JJG150 EN-ISO 6506

Accuracy of Brinell Hardness Testing

Hardness Range	Max. Tolerance	Repeatability
HBW ≤ 125	≤ ± 3.0%	≤ 3.0%
125 < HBW ≤ 225	≤ ± 2.5%	≤ 2.5%
HBW > 225	≤ ± 2.0%	≤ 2.0%

Standard Packing List:

Packing List	Packing List	Packing List	Packing List
Ø 2.5mm Ball Indenter	Large Test Anvil	Test Block (150~250)HBW/3000/10	Power Cable
Ø 5mm Ball Indenter	Small Test Anvil	Test Block (150~250)HBW/750/5	Anti-dust Cover
Ø 10mm Ball Indenter	V-Shape Test Anvil	Fuse (2A)	Instruction Manual