

TIME® 6206

FULLY AUTOMATIC THREE INDENTERS
DIGITAL BRINELL HARDNESS TESTER

Technical Specification

Test Force	612.9N(62.5kgf), 980.7N(100kgf), 1226N(125kgf), 1839N(187.5kgf), 2452N(250kgf), 4903N(500kgf), 7355N(750kgf), 9807N(1000kgf), 14710N(1500kgf), 29420N(3000kgf)
Test Range	3.18~653HBW
Loading Method	Automatic (Loading/Dwell/Unloading)
Hardness Reading	Indentation Displaying and Automatic Measuring on Touch Screen
Computer	CPU: Intel I5, Memory: 2G, SSD: 64G; Intel I5, Memory: 2G, SSD: 64G
CCD Pixel	3.00 Million
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HBS, HBW
Data Output	USB Port, VGA Interface, Network Interface
Shifting between Objective and Indenter	Automatic Recognition and Shifting (Three Indenters, Two Objectives)
Objective	1×, 2×
Resolution	3μm, 1.5μm
Dwell Time	0~95s
Max. Height of Specimen	290mm
Throat	150mm
Power Supply	AC220V, 50Hz
Execute Standard	ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2
Dimension	700×380×1000mm Packing Dimension: 920×510×1280mm
Weight	Net Weight: 200kg Gross Weight: 230kg

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Features

TIME6206 fully automatic three indenters digital Brinell hardness tester adopts casting shell with strong rigidity and precise structure design, the load of test force is controlled by the sensor, which makes the whole structure compact and loading of test force stable and exact. The test process is controlled by CPU, using automatic switching between the objective and the indenter. The location of switching adopts mechanical and electronic double matching, makes the location precision more high. With built-in panel computer, it makes the parameter setting and results show directly with easy operation, it also avoids the stimulation and visual fatigue of the light source of the eyepiece, and reduces the measuring error. After select the scale, the instrument will automatically select the indenter and objective, the test table rises automatically and then back to the focusing position after loading the test force, it shows the clear image of the indentation and automatically measures, which realizes the fully automation of the Brinell test.

- This instrument has 10 level of test force, 13 Brinell hardness test scales, suitable for different kinds of metal materials;
- With three indenters and two objectives, no need to change the indenters when testing different samples; with rigorous optical structure and high magnification, it makes the indentation observed clearly;
- According to the selected scale, with automatic shifting the instrument will automatically select the corresponding indenter and objective for measurement;
- The automatic lifting test table adopts precise structure with high stability, it automatically rises when start measuring, and then back to the focusing position for measuring after loading the test force, which realizes the one key automation;
- It adopts the integrated design of hardness tester and panel computer; With Windows 7 operating system, it has all functions of computer;
- With CCD image measuring system, touch screen operating and displaying, it can preset the test force dwell time, adjust intensity of light source, show the indentation length, hardness value, test range and test number etc.;
- The software has the function of calibration, manual fine tuning and set up and down limit etc., which ensures the accuracy of measurement;
- Conversion scales of different kinds of hardness;
- Test result can be saved as WORD or EXCEL report and can be printed out;
- With USB port, VGA interface and network interface, it can connect to the internet and other devices for more optional functions.



Standard Delivery

• Main unit	1	• Small Test Table	1
• 1×, 2× Objective	Total 2	• Large Test Table	1
• Power Cable	1	• V-shaped Test Table	1
• Φ2.5mm Ball Indenter	1	• Hardness Block	
• Φ5mm Ball Indenter	1	150~250 HBW 10/3000	1
• Φ10mm Ball Indenter	1	150~250 HBW 5/750	1
• Inner Hexagon Spanner 3mm	1	• Fuse 2A	2
• Usage Instruction Manual	1	• Anti-dust Cover	1