

HST-HB3000T-AZ Automatic Brinell Hardness Tester



Product introduction:

- 1) It adopts electronic electric loading, high-precision sensor, and has a unique closed-loop control system, which automatically compensates for each force.
 - 2) Italian body design, large sample space, can place large samples.
 - 3) Wide range of force value, from 62.5-3000Kgf, 10 kinds of Brinell scales, which can be customized by users.
 - 4) Automatic turret, automatic loading, automatic unloading, no manual focus after loading.
 - 5) The Z-axis lifts automatically. After placing the sample, press the test button, the sample automatically rises, and starts to load automatically after touching the indenter. After automatic unloading, the turret automatically turns to the test position, and the Z-axis automatically focuses on the focal plane, and then proceeds test.
 - 6) The eyepiece structure with a digital encoder measures D1 and D2 values, and the LCD directly displays the
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hardness value and D1 and D2 values.

7) It can be calibrated according to standard hardness blocks or length scales.

8) The test force can be automatically corrected by the standard force gauge.

9) It can convert between Rockwell and Vickers hardness values.

10) Touch screen interface, easy to operate, can input samples, testers and other information.

11) The data U disk is directly saved in EXCEL format, which is convenient for editing and processing.

Technical Parameters:

Model	HST-HB3000T-AZ
Brinell hardness scale	HBW2.5/62.5 HBW2.5/187.5 HBW5/62.5 HBW5/125 HBW5/250 HBW5/750 HBW10/100 HBW10/250 HBW10/500 HBW10/1000 HBW10/1500 HBW10/3000
Test force (Kgf)	62.5kgf(612.9N)、100kgf(980.7N)、125kgf(1226N)、187.5kgf(1839N)、 250kgf(2452N)、500kgf(4903N)、750kgf(7355N)、1000kgf(8907N)、 1500kgf(14710N)、3000kgf(29420N)
Carried standard	BSEN 6506, ISO 6506, ASTM E10, GB/T231
Accuracy of test force	62.5 ~ 250kGF ≤ 1% 500 ~ 3000kGF ≤ 0.5%
Measuring device resolution	0.1 μm
Hardness resolution	0.1 HBW
Testing range	3.18-653HBW
Load holding time	0 ~ 99 s
Indenter and objective lens	Automatic conversion
Maximum allowable specimen height	350 mm
Distance from indenter to wall	250 mm
size	700 * 340 * 970 mm
Weight	160 kg
Power supply	AC220± 5%, 50 ~ 60 hz