

Digital Brinell Hardness Tester HB-3000



Technical data:

- Loads: 3000kgf (29400N), 1500Kgf (14700N), 1000Kgf (9800N), 750Kgf(7355N),500Kgf (4900N),250Kgf (2452N), 187.5Kgf (1839N), 125Kgf (1226N),100Kgf (980N), 62.5Kgf(612.9N)
- Load dwell duration: 2s~99s, can be set and stored
- Tungsten Carbide Ball indenter: 10mm, 5mm, 2.5mm
- Measuring range: 8-650HBW
- Magnification of the microscope: 20X
- Resolution capability of the microscope: 0.005mm

Features

- Load Cell driven system provides precise control of test force application
- Direct digital reading
- Engineered to obtain highly sensitive and accurate readings
- Perfect for laboratories, workshops, tool rooms, inspection labs, etc.

Specifications :

- The whole weight of the tester is 50% less than the traditional dead weights type tester.
- Test load selection by keyboard and LCD screen.
- Fully automatic test cycles. The Brinell hardness Tester features a fully automatic test cycle, load application, holding, unloading, is performed fully automatically. This greatly improves reproducibility of test results since operator influence is eliminated.
- Selectable dwell times by screen. The indenter, load, and other test information are shown clearly on the large LCD screen.
- Equipped with a 20X optical microscope to measure the diameter of Brinell indentation.
- Brinell Hardness Calculator (BHC) make the hardness value calculation easier and convenient.
- Max measurable height: 230 mm
- Max measurable depth: 140 mm
- Dimensions: 530mm×260mm×750mm
- Power supply: 220/110 V, 50/60 Hz, 4A

Hardness Range (HBW)	Error (%)	Repeatability(%)
≤ 125	± 3.0	≤ 3.0
125 < HBW ≤ 225	± 2.5	≤ 2.5
> 225	± 2.0	≤ 2.0

