

Digital Electronic Brinell Hardness Tester L H B -3000A



USB



Software



LCD



Functions & Features

- Digital, multi-function LCD display,
- Closed loop sensor, the electronic automatic loading system.
- Ten levels testing forces.
- High precision, high repeatability and stability, easy operation.

Application

- Industrial production, Inspection of product quality on processing technology.
- Widly used in Industries: Metallurgy, Metrology, Building materials, Research Institutes, Hardening shops, Automotive, Railway, Energy, Steel, Aviation, Roller plants, Tube rolling mills, Foundries.

Technical Parameters

Model	LHB-3000A
Indication of Hardness Value	LCD screen display
Measuring Range	8~650HBW
Brinell 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
Carried Standard	EN, ISO 6507, EN ISO 6506, ASTM E-384, ASTM E-10-08, ASTM E-384 GB/T231.2,JJG150
Testing force	62.5kgf(612.9N),100kgf (980.7N),125kgf (1226N),187.5kgf (1839N), 250kgf (2452N),500kgf (4903N),750kgf (7355N),1000kgf (9807N), 1500kgf 1500kgf (14710N),3000kgf (29420N)
Max Height of Specimen	240mm
Min Measuring Unit	0.005mm
Duration time	5~60s
Magnification of Microscope	20X
Distance of Indenter to outer wall	145mm
Power supply	AC220V+5%, 50-60Hz
Overall Dimension (mm)	550*250*780mm
Net weight	About 50Kg

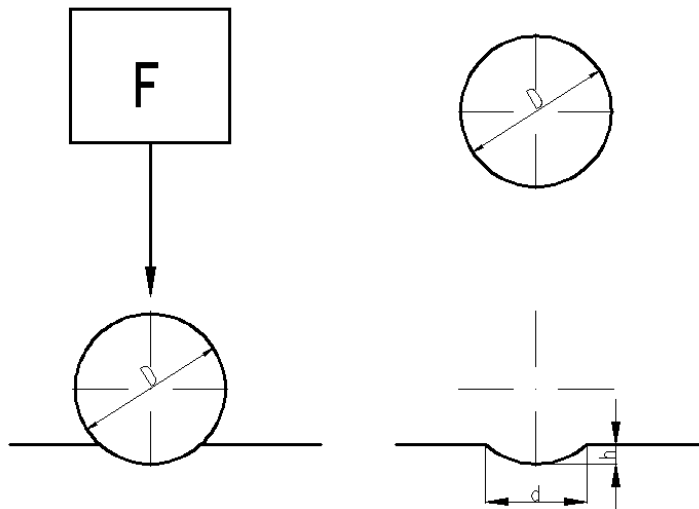
Standard Accessories

Name	Quantity	Name	Quantity
20× Reading microscope	1	φ 2.5mm/ φ 5mm/ φ 10mm Ball Indenter	3
Hardness block	3	Large, Medium, "V" shaped Testing Table	3
Brinell hardness standard block	3	Plastic Dust-proof cover	1
Manual & Certificate	2	Power Cable	1

Pictures

- **Test principle**

Brinell hardness test is to press a steel ball (d) with a certain diameter into the surface of the tested object with the specified test force (f) (Fig. 1). After the specified test force holding time, remove the test force, measure the indentation diameter (d) on the surface of the test piece with a micrometer eyepiece, and calculate the average pressure (n / mm²) borne by the spherical surface area of the indentation, that is, Brinell hardness value.



Indenters(optional)



Turret of DZBS-62



large test table



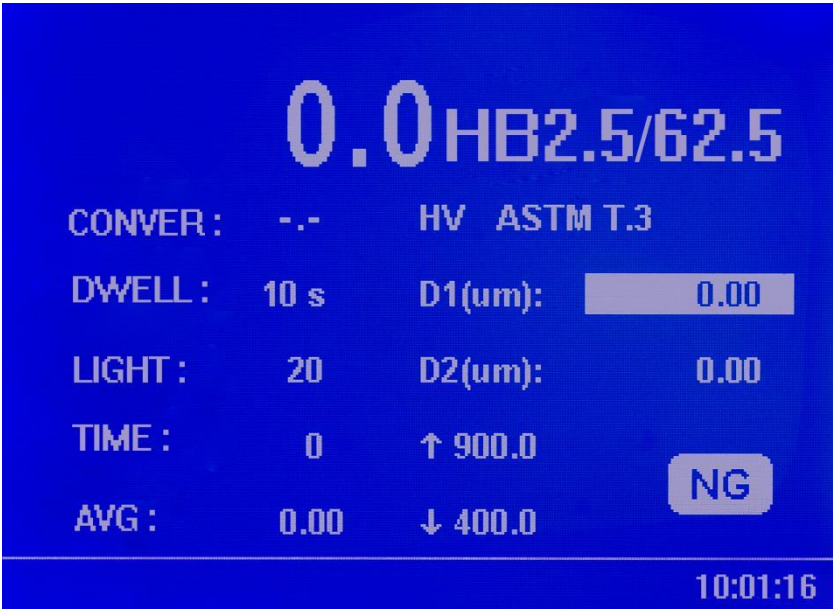
medium test table



V shap test table



Eyepiece



LHB3000D LCD screen

