

# 36 Digital Brinell Hardness Tester with Closed Loop, Load Cell Technology

## Features:

- Load Cell driven system provides precise control of test force application
- Direct reading
- Engineered to obtain highly sensitive and accurate readings
- Perfect for laboratories, workshops, tool rooms, inspection labs, etc.
- Measuring Range: 8-650HBW

## Included Accessories:

- Calibration block 125-350HBW10/3000
- Calibration block 125-350HBW10/1000
- 10mm Tungsten Carbide Ball indenter
- 5mm Tungsten Carbide Ball indenter
- 2.5mm Tungsten Carbide Ball indenter
- Mounting screws for indenter
- Flat anvil
- "V" shape anvil
- 20X microscope
- Dust cover

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

## Specifications:

<b>Loads:</b>	F3000kgf (29400N), 1500Kgf (14700N), 1000Kgf (9800N), 750Kgf(7355N),500Kgf (4900N), 250Kgf (2452N), 187.5Kgf (1839N), 125Kgf (1226N),100Kgf (980N), 62.5Kgf(612.9N)
<b>Load dwell duration:</b>	2s-99s, can be set and stored
<b>Tungsten Carbide Ball indenter:</b>	10mm, 5mm, 2.5mm
<b>Measuring range:</b>	8HBW-650HBW
<b>Magnification of the microscope:</b>	20X
<b>Resolution capability of the microscope:</b>	0.005mm
<b>Max measurable height:</b>	230 mm
<b>Max measurable depth:</b>	140 mm
<b>Dimensions:</b>	530mm x 260mm x 750mm
<b>Power supply:</b>	220/110 V, 50/60 Hz, 4A
<b>Weight:</b>	224lbs.



Optional Accessory:  
PHT-5000 Optical Brinell Scanner.  
See-Page 41



## Options:

- NIST/ASTM certified test blocks, penetrators and kits are available.
- Please refer to pages 50-52.

**PLEASE CONTACT US  
FOR DETAILS.**

**900-355**

Innovative closed-loop technology. The tester incorporates the latest load cell technology. The test load is applied via a closed-loop control unit with a load cell, a DC motor and an electronic measurement and control unit. The result is highly accurate Brinell hardness measurements at all test loads up to 0.5%. The common load overshoot or undershoot as known from traditional dead weight, or open-loop, systems is eliminated. The absence of mechanical weights not only eliminates friction problems but also makes the equipment less sensitive to misalignments caused by vibrations.