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

Optional Accessory:
PHT-5000 Optical Brinell Scanner
See Page 36

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

Specifications:

Loads:	F3000kgf (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:	8HBW-650HBW
Magnification of the microscope:	20X
Resolution capability of the microscope:	0.005mm
Max measurable height:	230 mm
Max measurable depth:	140 mm
Dimensions:	530mm x 260mm x 750mm
Power supply:	220/110 V, 50/60 Hz, 4A
Weight:	224lbs.

Options:

- NIST/ASTM certified test blocks, penetrators and kits are available. Please refer to pages 47-48.

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.