

3825 HARDNESS TESTER

DIGITAL MOTORIZED BRINELL HARDNESS TESTER



METROLOGY SOLUTIONS

This hardness tester incorporates the latest innovative closed-loop 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. Perfect for laboratories, workshops, tool rooms and inspection labs.

FEATURES

- Suitable for castings, very soft metals (copper, zinc, brass, aluminum, etc.) and steel
- The whole weight of the 3825 tester is 50% less than a traditional dead weight tester
- Test load selection by keyboard and LCD screen
- Fully automatic test cycles, load application, holding, unloading, is performed fully automatically
- 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) makes the Brinell hardness value calculation easier and convenient

Digital Rockwell/Superficial Rockwell Hardness Tester

Cat. No.	EDP	Description
3825	02045	Digital Motorized Brinell Hardness Tester

A broad range of test blocks and other hardness tester accessories are available. See the Starrett full line catalog for a complete list.



Accessories Included

Certified Test Blocks: 125-350HBW10/3000, 125-350HBW10/1000
 Flat Anvil
 "V" Shaped Anvil
 Mounting Screws for Indenter
 Screwdriver for Indenter Mounting
 Dust Cover

Specifications	
Certified Blocks	125-350HBW10/3000, 125-350HBW10/1000
Brinell Loads	3000kgf (29400N), 1500Kgf (14700N), 1000Kgf (9800N), 750Kgf (7355N), 500Kgf (4900N), 250Kgf (2452N), 187.5Kgf (1839N), 125Kgf (1226N), 100Kgf (980N), 62.5Kgf (612.9N)
Dwell Time	2s~99s, can be set and stored
Tungsten Carbide Ball indenter	10mm, 5mm, and 2.5mm
Measuring Range	8-650HBW
Magnification	20X
Resolution	0.005mm
Max Measurable Height	9" (228mm)
Max Measurable Depth	5.5" (140mm)
Power Supply	220/110 V, 50/60 Hz, 4A Prior to ship, please advise power setting needed
Dimensions	21 × 10.5 × 29.5" (535mm x 267mm x 750mm)
Weight (Net/Shipping)	242lbs / 275lbs