

# HARDNESS TESTERS

## 900-356 Digital - Load Cell – Motorized - Brinell with Tall Frame



- 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.
- The gross weight of the tester is 50% less than the traditional dead weights type testers.
- Test load selection by keypad and shown on the LCD screen.
- Fully automatic test cycles. The Brinell hardness Tester features a fully automatic test cycle, load application, dwell, 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.
- The directions for 0.102F/D2 ratios selecting according to the materials and hardness range can be showing on the screen.
- Equipped with a 20X optical microscope to measure the diameter of Brinell indentation.
- Brinell Hardness Calculator (BHC) makes the hardness value calculation easy and convenient.

Test Loads:	3000kgf (29400N), 1500Kgf (14700N), 1000Kgf (9800N), 750Kgf (7355N), 500Kgf (4900N), 250Kgf (2452N), 187.5Kgf (1839N), 125Kgf (1226N), 100Kgf (980N), 62.5Kgf (612.9N)
Test Range:	3.18 – 658HBW
Loading Method:	Automatic (LoadingDwell/Unloading)
Hardness Reading :	Indentation Displaying and Automatic Measuring on Touch Screen
Computer:	CPU: Intel I3, Memory: 2G, SSD: 32G
Total Magnification:	20X
Dwell Time::	2-99 seconds
Max. Height of Sample:	16.92" (430mm)
Dimensions:	11.81" W x 23.62" D x 39.37" H
Weight:	364lbs.