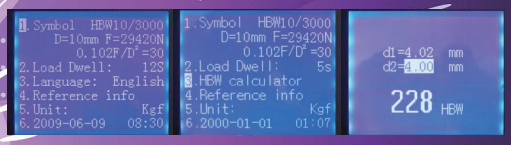
Digital Motorized Brinell Hardness Tester w/Auto Z Axis!



Technical Specifications:

Loads: 3000kgf (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: 3.18HBW~58HBW

Magnification of the Microscope: 20X

Resolution capability of the Microscope: 0.005mm

Accuracy of Brinell Hardness Value:

Hardness Range(HBW)	Error (%)	Repeatability(%)
≤ 125	± 3.0	≤ 3.0
125 < HBW ≤ 225	± 2.5	≤ 2.5
> 225	± 2.0	≤ 2 0

Max measurable height: 230 mm

Max measurable depth: 140 mm

Dimensions: 530mm×260mm×1000mm

Power supply: 220/110 V, 50/60 Hz, 4A

Weight: 110kg

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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.