

ELECTRONIC BRINELL HARDNESS TESTER

METZ – HB – 3000C



Feature & Use

- Automatic turret shifting between indenter and lens.
 - Equipped with twin high definition objective lens
 - Electric loading without weights, closed loop control.
 - Large 8" touch screen, direct visual display and interactive operating interface.
 - High speed ARM processor, fast operation speed and extensive database storage.
 - High quality integral casting cast iron machine body with automotive paint treatment process, the appearance is smooth and beautiful.
 - Built-in hardness conversion scales, which can realize full hardness scale conversion.
 - The maximum and minimum hardness values can be set, when the test value exceeds the set range, an alarm sound will be issued.
 - Automatic hardness value correction, the hardness value can be directly corrected within a certain range.
 - With the database function, the test data can be saved automatically in groups, each group can save 10 data, totally can save up to 2000 data.
 - With the hardness value curve display function, intuitively display the changes of hardness value.
 - Equipped with wireless blue-tooth printer, the data can be output through RS232 or USB interface.
 - CCD image processing system or video measuring apparatus is optional.
- Precision conforms to GB/T 231.2, ISO 6506-2 and ASTM E10

It's suitable to determine the Brinell hardness of unquenched steel, cast iron, non-ferrous metals and soft bearing alloys, etc.

MAIN INTERFACE



SPECIFICATIONS

Measuring range	5-650HBW
Test force	31.25, 62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000kgf (306.25, 612.9, 980.7, 1225.9, 1838.8, 2415.8, 4903.5, 7355.3, 9807, 14710.5, 29421N)
Max. height of test piece	260mm
Depth of throat	165mm
Hardness resolution	0.1 HBW
Min. measuring unit	0.625µm
Eyepiece magnification	20X
Objective lens magnification	1X, 2X
Total magnification	20X, 40X
Dwelling time	1~99s
Power supply	AC 220V or 110V, 50 or 60Hz
Dimensions	700 x 268 x 930mm
Weight	Approx. 160kg

Standard accessories

- Large flat anvil: 1 pc.
- Small flat anvil: 1 pc.
- V-notch anvil: 1 pc.
- Tungsten carbide ball penetrator: Ø2.5, Ø5, 10mm, 1 pc. for each
- Brinell standardized block: 2 pcs.

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