



MAGNETIC DIGITAL BRINELL AND ROCKWELL HARDNESS TESTER



BHBR-200

World Initial Magnetic Digital Brinell and Rockwell hardness tester, which can make accurate Brinell hardness test with conventional indentation method of ISO 6506.2 and ASTM E 10. It can also make rapid Brinell hardness test with depth-measuring method of ASTM E 103, and read hardness value directly. At the same time it also can do Rockwell hardness test according to Rockwell hardness testing method in ISO 6508.2 and ASTM E 18. These functions can meet the demand of precise and rapid Brinell hardness testing on-site of large steel and iron parts.

Simplified operation of Rockwell hardness and depth-measuring Brinell hardness, only need to load the total test force remain for several seconds and then unload the total test force to finish the test, it is very simple and high efficiency.

This instrument stores an accurate basic hardness, that is depth curve made from plenty hardness blocks; it also stores several Brinell curves of common materials. We can supply the service of making precise Brinell curve of common material according to customers' requirement. Advanced curve correction methods can be used to test a variety of special materials.

This instrument can check and calibrate the accuracy on-site by precise indentation method at any time.

**FEATURES: -**

Accuracy: Accurate force value. Test accuracy of indentation Brinell Method as well as Rockwell test comply with ISO and ASTM standard. Depth- measuring method accuracy can satisfy on-site test request.

Speedy: Simple operation, high efficiency, test time less than 10S.

Stability: Excellent stability and repeatability, reliable values transfer, keep test accuracy unchanged for a long time.

Testing On-site: Insensitive to temperature changing on workshop.

Unique Method: test by absorbing to iron and steel parts, and it can finish the test by unilaterally touching the parts. It can test any dimension parts, especially steel tubes and weld on Pipes.

TECHNICAL SPECIFICATION: -

Parameter's	Specification
Initial Test Force	10kgf
Total Test Force	60 kgf, 100 kgf, 150 kgf, 187.5 kgf
Testing Range	20~88HRA, 20~100 HRB, 20~70 HRC, 150~ 400 HBW
Testing Resolution	0.1 HR or 1 HBW
Indication Error	Comply with ISO and ASTM standards
Repeatability Error	Comply with ISO and ASTM standards
Test Force Error	≤ ± 1%, Comply with ISO and ASTM standards
Operating Temperature	0 ~45°C
Dimension	245 (Length) X 105 (Width) X 138mm (Height)
Weight	5.3 Kg

STANDARD ASSEMBLY: -

- Tester
- 120° Diamond Indenter
- 1.588mm Carbide Alloy Ball Indenter
- Rockwell Hardness Block
- Brinell Hardness Block
- 40X Reading Microscope
- Iron Seat
- Recharger
- Carrying Case



Standard Package:



Tester



120°
Diamond Indenter



1.588mm, 2.5mm
carbide ball indenter



Brinell Hardness Block



Rockwell
Hardness Block



40X Reading
Microscope



Adapter



Magnifier



Iron Seat



Screwdriver



Carrying case

Optional spare parts:



Diamond Indenter



1.588mm, 2.5mm
carbide ball indenter



Brinell Hardness Block



Rockwell Hardness Block



40X Reading
Microscope



Brinell Indentation
Measurement System