

# MAGNETIC DIGITAL BRINELL AND ROCKWELL HARDNESS TESTER

## APPLICATION

- Only if there is suitable surface, it could test large iron and steel workpieces whereas the desk tester could not.
- It could test the hardness of steel parts, bearings, moulds, castings, forge pieces and large and medium-sized heating parts.
- It is suitable for testing a large batch of parts piece by piece on site.

## FEATURES

- World first portable Rapid Indentation Brinell hardness tester. It realizes rapid test and direct read of Brinell hardness and solves the world level difficulty of rapid and accurate body Brinell hardness test for a large workpiece. It complies with GB/T 24523、ASTM E103.
- It is a world leading product from Tianxing with patent. For the high-accuracy sensor and unique distance measuring technology, it reaches far higher test accuracy than other portable hardness testers.
- It possesses test functions of both Brinell hardness and Rockwell hardness, satisfying most of hardness test demand of iron and steel workpieces in the manufacture industry.
- It simplifies the operation steps of Rockwell Hardness Test and Brinell Hardness Test: directly load total test force; maintain it for a few seconds; drop the total test force and then the value of Rockwell hardness or Brinell hardness will display. It takes about only 10 to 20 seconds for a test, very effective.
- No need of measuring indentation diameter by optical system prevents personal error.
- It permits customer to calibrate the tester with a standard block at any time.
- It could be operated under a temperature range of 0°C to 50°C either indoor or outdoor.



## MAIN TECHNICAL PARAMETERS

Initial Test Force:	10Kg
Total Test Force:	60Kg, 100Kg, 150Kg, 187.5kg
Testing Range:	20~88HRA, 20~100HRB, 20~70HRC, and 100~450HBWT
Testing Resolution:	0.1HR or 1HBW
Indication Error:	complying with GB、ISO、ASTM standards
Repeatability Error:	complying with GB、ISO、ASTM standards
Test Force Error:	≤ ± 1%
Operating Temperature:	0~50°C
Weight:	5.3Kg
Test Piece Surface:	Flat: Area ≥ 195mm × 60mm Thickness ≥ 5mm Cylinder: Diameter ≥ 60mm Length ≥ 200mm Thickness ≥ 8mm

## STANDARD PACKAGE

Tester
120° Diamond Indenter
1.588mm Carbide Alloy Ball Indenter
2.5mm Carbide Alloy Ball Indenter
Rockwell Hardness Block
Brinell Hardness Block
Seat Iron
Recharger
Battery Box
Carrying Case