



## PORTABLE BRINELL AND ROCKWELL HARDNESS TESTER PHBR Series

### STANDARD

**ISO 6506, 6508 and ASTM E10, E18**

The PHBR series portable Brinell & Rockwell hardness testers are designed and developed based on the PHR series testers according to Brinell and Rockwell hardness testing methods. The test principle, test conditions and test accuracy are all up to the international standard ISO6508/6506.

The PHBR series hardness tester can work as both Rockwell and Brinell hardness tester. They can solve most of the hardness testing problems in the industry. PHBR series Brinell & Rockwell hardness testers have a higher testing accuracy. The test results meet most requirements of product standard or drawings and can be well accepted in international trade.



**PHBR-100**



**PHBR-2**



## FEATURES

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- **Brinell and Rockwell:** Add the functions of Brinell hardness test on PHBR series testers. Combined Brinell and Rockwell test functions in one instrument
- **Test Principal:** Test method follows Brinell and Rockwell hardness test and accuracy in accordance with ISO 6506, 6508 and ASTM E10, E18.
- **Wide Application:** Different modes and anvils are available for parts in various sizes and shapes.

## TECHNICAL SPECIFICATION

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Name	Portable Brinell and Rockwell Hardness Tester
Rockwell Initial Force	10 kg
Rockwell total test force	60Kg,100Kg,150Kg
Brinell test force	62.5Kg,125Kg,187.5Kg
Rockwell indenter	120°diamond cone, 1.588mm hard alloy ball
Brinell test ball	2.5mm, 5mm hard alloy ball
Indicator Error	Complies with ISO and ASTM
Repeatability Error	Complies with ISO and ASTM
Test resolution	Rockwell 0.5HR, Brinell 0.005mm(indentation diameter)
Test range	Rockwell HRA, HRB, HRC, Brinell 16-650HBW
Application range	Rockwell for products or semi-finished products of common metals, including steel, cooper, aluminum, carburized layer, hard alloy, etc. Brinell for castings, forgings,

## STANDARD PACKAGE



## MODEL SELECTION

Model	Specimen/ Opening Size W x D (mm)	Net Weight Kg	Gross Weight Kg	Package Dimension (mm x mm x mm)
PHBR-2	50 X 50	1.2	3.7	390 x 280 x 160
PHBR-100	Flat Surface > 60x180 Cylinder Diameter > $\Phi$ 100	4.9	12,0	480 x 390 x 210