MAGNETIC BRINELL AND ROCKWELL HARDNESS TESTER

BHBR-100

FEATURES: -

- Add the functions of Brinell Hardness Test on PHBR series testers. Combined Brinell and Rockwell test functions in one instrument.
- Test method follows Brinell and Rockwell hardness test and accuracy is in accordance with ISO 6506, 6508 and ASTM E10, E18.
- Different modes and anvils are available for parts in various sizes and shapes.
- Traceable standard hardness blocks.
- Traceable test force.
- Indenter inspected with standard Rockwell Hardness Tester.

TECHNICAL SPECIFICATION: -

Parameter's	Specification
Initial Test Force	10kgf
Total Test Force	60 kgf, 100 kgf, 150 kgf
Brinell Test Force	62.5kg, 125kg, 187.5kg
Rockwell Indenter	120°diamond cone;1.588mm hard alloy ball
Brinell Test Ball	2.5mm, 5mmhard 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)
Testing Range	Rockwell hardness HRC, HRB, HRA
	Brinell 16~650 HBW
Application Range	Rockwell for products or semi- finished products of common metals, including steel, cooper, aluminium, carburized layer, hard alloy, etc. Brinell for castings, forgings, steel raw materials, non- ferrous metal.

APPLICATION: -

- Small Type applies for thin steel plate and small parts.
- C- Shape type applies for huge or medium- size parts not available for magnetic type.
- Magnetic type applies for huge steel plates, axis, steel pipes, moulds, weld joints and other groupware.
- Rockwell hardness testers are mainly for products or semi- finished products after final heat treatment.
- Brinell hardness testers are mainly for raw materials, castings, forgings, or semi- finished products without heat treatment.