

iBri-2 Brinell and Rockwell Hardness Tester



Product Feature

- 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

Rockwell Initial Test Force	10 kgf
Rockwell Total Test force	60 kgf, 100 kgf, 150 kgf
Brinell Test Force	62.5 kgf, 125 kgf, 187.5 kgf
Rockwell Indenter	120°Diamond Indenter; 1/16" carbide ball
Brinell Test Ball	2.5 mm, 5 mm hard alloy ball
Indicator Error	Complies with ISO and ASTM.
Repeatability Error	Complies with ISO and ASTM.
Test Resolution	Rockwell 0.5 HR; Brinell 0.005 mm (indentation diameter)
Test Range	Rockwell HRA, HRB, HRC; Brinell 16~650 HBW
Opening Size	W x D 50*50 mm
Application Range	Rockwell for products or semi-finished products of common metals, including steel, copper, aluminum, carburized layer, hard alloy, etc. Brinell for castings, forgings, steel raw materials, non-ferrous metal.

Packing List

	Items
Standard Configurations	Tester
	Holding Seat
	120°Diamond Indenter
	1/16" Carbide Ball
	2.5 mm Carbide Ball
	Rockwell Hardness Block
	Brinell Hardness Block (HB 2.5/187.5)
	40X Reading Microscope
	Flat Anvil (small, C-shape)
	V Anvil (small, C-shape)
	Adapter (magnetic)
	Iron Seat (magnetic)
	Extensions (small)
Optional Configurations	Spare Microscope (small)
	Carrying case
	1/16", 1/8" Carbide Ball
	2.5 mm, 5 mm Carbide Ball 1/4", 1/2" Steel Test Ball Flat Anvil; V Anvil Slim Raised Spot Anvil (small)
	Anvil for Testing Ball (small)
Convex and Concave Cylinder Anvil (small)	