

iBR-100 Magnetic Brinell and Rockwell Hardness Tester



Product Feature

- Attach to one side of part to test, no need to move it.
- Quick, convenient, no damage test.
- Similar reading system as micrometers, easy to read, and good repeatability.

Technical Specification

Rockwell Initial Test Force	10 kgf	
Rockwell Total Test Force	60 kgf, 100 kgf, 150 kgf	
Brinell Test Force	187.5 kgf	
Rockwell Indenter	120°diamond indenter, 1/16" carbide ball	
Brinell Test Ball	2.5 mm carbide 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	
Weight	4.9 kg	
Surface	Flat	Area ≥ 180 mm × 60 mm; Thickness ≥ 5 mm
	Cylinder	Diameter ≥ 60 mm; Length ≥ 200 mm; Thickness ≥ 8 mm

Packing List

	Items
Standard Configurations	Tester
	120°diamond indenter
	1/16" carbide ball
	Φ 2.5 mm carbide ball
	Rockwell hardness block
	Brinell hardness block (HB 2.5/187.5)
	40X Reading Microscope
	Iron Seat (Base)
	Adapter
	Carrying case
Optional Configurations	120°diamond indenter
	1/16" mm carbide ball
	Φ 2.5 mm carbide ball
	Rockwell hardness block (HRB, HRC high value, HRC middle value, HRC low value)
	Brinell hardness block (HB 2.5/187.5)
40X Reading Microscope	
Special Adapter (customized by required size)	