

iBri-150 Double Functional Pin Brinell Hardness Tester



Product Feature

- It applies Brinell hardness test method, with static screw or dynamic hammer impact loading test force, through a calibrated shear pin to control the force precisely.
- Good force value consistency, no influence by operator. Test force $F=1580$ kgf, diameter of test ball $D=7.26$ mm, which leads $F/D^2 = 30$. It follows Brinell similarity principle, equals to normal condition of 3,000 kgf, 10 mm test ball.
- Good repeatability and high accuracy. The accuracy is the same as desk tester.
- Simple and flexible operation. Middle or small parts could apply static force loading, and large part could apply hammer impact.
- Only consume 1 piece of cheap shear pin for each test.
- It could replace Leeb hardness tester in low accuracy and reliability.

Technical Specification

Test Force	1,580 kgf 7.26 mm Steel Indenter, test range
Indenter	100~350 HBW 4 mm Carbide Alloy Indenter, test range 350~650 HBW
Indicator Error	Static type $\leq 2\sim 3\%$ Comply with ISO, ASTM Hammer Impact Type $\leq 5\%$
Repeatability Error	Static type $\leq 2\sim 3\%$ Comply with ISO, ASTM Hammer Impact Type $\leq 5\%$
Test Range	100~650 HBW
Opening Dimension	150 mm(Height) x100 mm(Depth)
Net Weight	4.2 kg
Application	Castings, Forgings, Steel Products, Heat Treatment

Packing List

	Items
Standard Configurations	Tester
	7.26 mm Steel Indenter
	Indenter Holder
	Flat Anvil
	V-shape Anvil
	Impact Cylinder
	Holding Handle
	Brinell Hardness Block (HB10/3000)
	Pin (250 pieces/box)
	Pin Removal Tool
	20X Reading Microscope
Rubber Protective Cover	
Carrying Case	
Optional Configurations	7.26 mm Steel Indenter
	4 mm Carbide Alloy Indenter
	Pin (250 pieces/box)
	Brinell Hardness Block (HB10/3000)
	Sphere Spot Anvil (for pipe or curved plate) Small Flat Anvil (for small parts)
	20X Reading Microscope
40X Reading Microscope	
Brinell Indentation Measurement System	