iBri-3000H Hydraulic Brinell Hardness Tester

Technical Specification

Test Force	3000 kgf (1000 kgf, 750 kgf, 500 kgf optional)
Test Ball	10mm Carbide ball (5mm optional)
Test Range	32~650 HBW
Opening Dimension	350 mm (Height) x 100 mm (Depth)
Indicator Error	Complies with ISO 6506, ASTM E10, and ASTM E110.
Repeatability Error	Complies with ISO 6506, ASTM E10, and ASTM E110.
Test Force Error	Complies with ISO 6506, ASTM E10, and ASTM E110.
Weight	13.8 kg

Product Feature

●Test principle. Apply hydraulic principle permiting loading 3,000 kgf manually.

●On-site Testing. It could be applied in workshop, simple operation, easy carrying, and testing body hardness of large parts piece by piece.

●Permanent Indentation. By 3,000 kgf and 10mm test ball, the indentation is permanent for re-inspecting.

●High Reliability. It follows Brinell hardness test method completely, the same as desk testers, reflecting the actual mechanical property of material or parts.

●High Accuracy. Indication error, repeatability error and test force accuracy comply with ISO, and ASTM standards, the same as desk testers.

●Wide Application Range. As long as clamped to the parts, it could test parts in any shape and size.

●Wide Test Range. It could test various common metal materials by its combination of different test force and test head, that is, wide test range.

Packing List

	Items
Standard Configurations	Tester
	Handle
	Brinell hardness block Anvil
	(flat, V-type, spot-type)
	20X Reading Microscope
	10mm Carbide ball
Optional Configurations	Brinell Hardness Block (high or low value)
	Carbide ball (5 mm, 10 mm)
	Spare Parts (Hydraulic oil capsule, Hydraulic oil, O-ring etc.)
	Maintaining Tools
	Brinell Indentation Measurement System