

Digital Brinell Hardness Tester SHB-3000D



iqualitrol SHB-3000D adopts the motorized test force application without weights, and uses 0.5% accuracy compression sensor to feedback and the CPU control system to automatically compensate the test force lost during the testing.

With external digital measuring microscope, no need to check Brinell table nor inputting the diagonal of the indentation, directly show hardness value, test force, dwell time and indentation length on LCD.

As long as press the eyepiece button after measuring the indentation length, it can automatically get the hardness value and shows on the screen, with precise reading and easy operation.

Application range:

Suitable for cast iron, steel products, nonferrous metals and soft alloys etc. Also suitable for some nonmetal materials such as rigid plastics and bakelite etc.

Technical Specification:

Model		SHB-3000D
Test Force	kgf	62.5kgf, 100kgf, 125kgf, 187.5kgf, 250kgf, 500kgf, 750kgf, 1000kgf, 1500kgf,
	N	612.9N, 980.7N, 1226N, 1839N, 2452N, 4903N, 7355N, 9807N, 14710N, 29420N
Test Range		8 - 653HBW
Hardness Reading		LCD Display
Microscope		20x Digital Measuring Microscope
Resolution		1.25 μ m
Dwell Time		0~60s
Vertical Space		220mm
Throat		135mm
Power Supply		AC220V/50Hz/1Ph, AC110V/60Hz/1Ph
Execute Standard		ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2
Dimension		545×235×755mm, Packing Dimension: 650×435×1025mm
Weight		Net Weight: 130kg, Gross Weight: 160kg

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	20X Digital Measuring Microscope	1 pc
Φ 2.5mm, Φ 5mm, Φ 10mm Ball Indenter	each 1 pc	Large Plane Test Table	1 pc
Small Plane Test Table	1 pc	V-shaped Test Table	1 pc
Hardness Block 150~250 HBW 10/3000	1 pc	Hardness Block 150~250 HBW 5/750	1 pc
Fuse 2A	2 pcs	Power Cable	1 pc
Anti-dust Cover	1 pc	Usage Instruction Manual	1 copy