

Color Touch Screen Digital Brinell Hardness Tester

SHB-3000D



SHB-3000D (#831-120)

Characteristics:

- SHB-3000D differs from like products is the close loop loading system, key panel and touch screen double input methods, blue tooth transferring technology and digital measurement indentation technology;
- High accuracy close loop loading sensor replace traditional weights loading method, to realize automatic loading, dwell and unloading, makes easier installation and better measurement accuracy;
- Equips with 5.2" color touch screen with innovative interface design, makes force selection, dwell time setting, scale conversion and data reading, transferring, printing more convenient and fast;

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- One touch operation of indentation measurement by high resolution objective, largely eliminate human error and avoid annoyance to check indentation comparison table;
- Auto hardness conversion from Brinell scale HBW to HK, HV, HRA, HRB, HRC, superficial rockwell scales, etc;
- Equips with Bluetooth Device, optional Bluetooth printer and computer acceptor is available to realize wireless printing and data transferring.

Application Ranges:

- Hard alloy;
- Surface hardened steel;
- Can be used to test hardness of almost any metallic materials, the part size is only limited by instrument capacity, main materials like hard alloy, surface hardened steel, cooper alloy, soft steel, quenched steel, aluminium alloy, etc.

Technical Specifications:

Product Name		Color Touch Screen Digital Brinell Hardness Tester	
Model		SHB-3000D	
Code#		831-120	
Loading Force	N	612.9, 980.7, 1226, 1839, 2452, 4903, 7355, 9807, 14710, 29420	
	kgf	62.5, 100, 125, 187.5, 250, 500, 750, 1000, 1500, 3000	
Data Transfer		Bluetooth ; RS232 is optional	
Measuring Range		(8~650) HBW	
Hardness Display		LCD Display	
Hardness Conversion		HRC、HV、HBS、HBW、HK、HRA、HRD、HR15N、HR30N、HR45N、HS、HRF、HR15T、HR30T、HR45T、HRB	
Magnification of Eyepiece		20x Mechanic Microscope	
Max.height of Specimen		225mm	
Instrument Throat		135mm	
Power supply		AC220V/50Hz ; 110V/60Hz	
Conversion Standard		ASTM、DIN	
Languages		Chinese, English, German, Portuguese, Turkish, Czech, Korean	
Dimension		545 x235 x755mm	
Gross/Net Weight		160kg/130kg	
Executive Standard		GB/T4340、JIS Z2245、ASTM—E92、ISO6507	
Accuracy	Hardness	Max. Tolerance	Repetition

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of	Range		
Brinell Hardness Testing	HBW ≤ 125	≤ ± 3.5%	≤ 3.5%
	125 < HBW ≤ 225	≤ ± 2.5%	≤ 3.0%
	HBW > 225	≤ ± 2.0%	≤ 2.5%

Standard Delivery:

Product Name	Code#	Product Name	Code#	Product Name	Code#
Instrument Main Body	831-120	Ø5mm Ball Indenter	831-421	Power Cable	821-801
20x Mechanic Microscope	831-221	Ø2.5mm Ball Indenter	831-431	Accessories Box	821-901
Hardness Block HBW/3000/10	831-601	Ø 200mm Flat Anvil	831-551	Level Screw	821-931
Hardness Block HBW/750/05	831-611	Ø 60mm Flat Anvil	831-501	Anti-dust Cover	821-911
Ø10mm Ball Indenter	831-411	Ø 40mm V-shape Anvil	831-521	Instrument Manual/ Qualified Certificate	SHB-3000 D