

SBRV-100D Digital Multifunction Hardness Tester

Product Description:

Digital Micro Brinell, Rockwell and Vickers hardness tester is a testing machine which integrate the technology of optics, mechanics and computer. It features new appearance, complete functions, easy operation, visual display and stable performance. It can fulfill Brinell, Rockwell and Vickers testing requirements. With nearly 7 grade testing force, it can meet many kinds of needs of hardness testing.

Automatic convert for the loading, dwell and unloading of testing force. The operation is very convenient and quick. The main functions as follows:

- 1 Available for Brinell, Rockwell and Vickers testing
- 2 Conversion between each hardness scale.
- 3 Setting for hardness dwell time
- 4 Changeable for year, month and date
- 5 RS232 serial communication, offers extend functions for users.

This machine offers data save function. Users can browse the testing page and print out the testing result.

Standard:

ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2 ISO 6506, ASTM E10-12, JIS Z2243, GB/T 231.2, ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2



Specification list:

Type	Rockwell	Brinell	Vickers
Preliminary test force(N)	98	98	98
Testing Forces (kgf)	60, 100, 150kgf	30,31.25,62.5,100,187.5kgf	30, 100kgf
Hardness test (N)	588.4, 980.7, 1471N	294.2,306.5,612.9,980.7,1839N	294.2, 980.7N
Press head	diamond indenter,	φ2.5mm, φ5mm ball indenter	diamond indenter
Scale	HRA, HRB, HRC, HRD	HBW1/30, HBW2.5/31.25,	HV30, HV100
Conversion scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N,		
Accuracy	±2.0%(98N) ±1.0%	±1.0%	±1.0%
Resolution	0.1HR	0.5μm	0.25μm
Magnification	/	37.5X	75X
Max height of specimens	175 / 400mm(optional)	100 /330mm(optional)	115/ 345mm(optional)
Throat	165mm		
Loading method	automatic (loading/dwell/unloading)		
Hardness reading	LCD screen display		
Data output	built-in printer, RS232 interface		
Load dwell duration:	0~60s can be set.		
Dimensions	(L×W×H) 520×240×740mm, packing dimension: 650×370×980mm		
Weight:	Net Weight: 80kg, Gross Weight: 105kg		
Power supply	AC220V±5%, 50~60Hz		

Standard accessory:

NO.	Name	Qty	NO.	Name	Qty
1	instrument main body	1	14	diamond rockwell indenter	1
2	diamond vickers indenter	1	15	φ1.588mm, φ2.5mm, φ5mm ball indenter	3
3	slipped test table	1	16	middle plane test table	1
4	large plane test table	1	17	V-shaped test table	1
5	15× digital measuring eyepiece	1	18	2.5×, 5× Objective	2
6	microscope system (include the inside light)	1	19	hardness block 150~250 HBW 2.5/187.5	1
7	hardness block 60~70 HRC	1	20	hardness block 20~30 HRC	1
8	hardness block 80~100 HRB	1	21	hardness block 700~800 HV30	1
9	weights 0, 1, 2, 3, 4	5	22	power cable	1
10	fuse 2A	2	23	horizontal regulating screw	4
11	level	1	24	spanner	1
12	screw driver	1	25	anti-dust cover	1
13	usage instruction manual	1			