

Universal hardness tester

SBRV-100E

Description:

SBRV-100E Brinell Rockwell & Vickers hardness tester is a multi-functional hardness tester with Brinell, Rockwell & Vickers three test modes and 7 level of test forces, which can test several kinds of hardness. Test force loading, dwell, unload adopts automatic system, widely used and easy to operate, therefore it is the popular machine for industrial enterprises and scientific research institutes.

The Universal version enables the execution of Rockwell standard (60,100,150kgf), Brinell (31.25-62.5-187.5kgf) and Vickers tests (30,100kgf). The microscope together with the instrument allows fast and reliable measurements of Brinell and Vickers indentations both in the analogue and digital version. The digital version permits to determine the hardness value in the fast and easy way.



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)	588.2, 980.7, 1471N	294.2, 306.5, 612.9, 980.7, 1839N	294.2, 980.7N
Resolution	0.5HR	4μm	2μm
Indenter	diamond indenterφ1.588mm	2.5mm, φ5mm ball indenter	diamond indenter
Value reading	dial	check hardness table	check hardness table
Dwell time	2~60s	2~60s	2~60s
Magnification of microscope	/	37.5X	75X
Max height of specimens(mm)	175mm	100mm	115mm
Throat	165mm	2~60s	2~60s
Power supply	AC220V 50/60Hz		
Net weight(kg)	90		
Dimensions(mm)	520×240×700mm, packing dimension: 650×370×950mm		
Weight	Net Weight: 80kg, Gross Weight: 105kg		

*สอบถามราคาได้ที่ 02-9744354-6 หรือสายด่วน 082-1288881, 081-7731860

ITOKIN TECHNOLOGY CO., LTD.

3/18 Soi 33,Vibhavadi Rangsit Road, 1-6 Separate.Airport, Don Muang, Bangkok 10210 Thailand.
(Monday- Friday 8.30-17.30) E-mail:salesitokin@gmail.com /www.itokin2000.com

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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 and outside 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			

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