

# Practical Micro Vickers Hardness Tester

## SMHV-1000 series

### Characteristic:

- SMHV-1000 series is a precision micro Vickers hardness testing machine integrated the technology of optics, mechanics and computer.
- SMHV-1000 series equipped with a large LCD screen, the operation is more directly and clearly.
- SMHV-1000 series can display the measuring methods, testing force, indentation length, hardness value, dwell time of the testing force as well as the number of measurement.
- SMHV-1000 series can save and revise the date, record the measuring results, compute the data, outputting the information with the printer.
- SMHV-1000 series hardness conversion among 17 hardness scales, and linking to PC in RS232 interface and cable.

### Specifications:

Product Name	Manual-Turret Micro Vickers Hardness Tester	Auto-Turret Micro Vickers Hardness Tester
Model	SMHV-1000	SMHV-1000A
Code#	823-151	823-161
Testing Force	gf	10, 25, 50, 100, 200, 300, 500, 1000
	N	0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80
Indentation Measurement	Digital Sensor Measurement	
Loading Control	Automatic (Loading, Dwell, Unloading)	
Output Data	RS232/Mini-Printer	
Magnification of Microscope	Observation:10x; Measurement:40x	
Magnification on of Eyepiece	10x Digital Eyepiece	
Dwell Time	Adjustable 5-60s	
Testing Range	1HV-2967HV	
Auto Hardness Conversion	HRA, HRB, HRC, HV, HK, HBW, etc	
X-Y Anvil	Size:100x100mm; Travel:25 x25mm; Resolution:2um	
Illumination	Halogen Light- source (LED is optional)	
Max. Height of Specimen	70mm	
Instrument Throat	95mm	
Power Supply	AC220V/50Hz;110V/60Hz	
Dimension(LxWxH)	425 x245 x490mm	
Packing Dimension	530 x490 x700mm	
Gross/Net Weight	50Kg/40Kg	
Execution Standard	GB/T4340.2, EN-ISO6507, ASTM E10-18, ASTM E-384	



SMHV-1000(#823-151)  
SMHV-1000A(#823-161)

### Standard Delivery:

Standard Delivery	Code#
Vickers Indenter	823-401
Vickers Hardness Block HV 0.5	823-611
Vickers Hardness Block HV 1	823-621
10x Digital Eyepiece	823-341
Objectives 40x	823-331
Objectives 10x	823-311
X-Y anvil	823-701
Mini-Printer	823-831
Power Cable	823-801
Accessories Box	823-901
Anti-dust Cover	823-911
Level Screw	823-931
Instrument Manual	SMHV-1000/1000A