

Digital Micro Vickers Hardness Tester MHV-1000



MHV-1000 equips with digital measuring eyepiece, can automatically get the hardness value and shows on the large screen. It also can show the test mode, test force, indentation length, dwell time, test numbers, conversion scale, date and time.

Test results can be saved for reviewing or be printed out by the built-in printer, and with RS232 interface for connecting to the computer.

Available to measure Knoop hardness by install optional Knoop indenter.

Support optional LCD video measuring device and CCD image automatic measuring system.

Application range:

Suitable for ferrous metal, non-ferrous metals, IC thin sections, coatings, ply-metals; glass, ceramics, agate, precious stones, thin plastic sections etc.; hardness testing such as that on the depth and the trapezium of the carbonized layers and quench hardened layers.

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10x Digital Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 40x Objective	each 1 pc
Weights	6 pcs	Weight Axis	1 pc
Cross Test Table	1 pc	Flat Clamping Test Table	1 pc
Thin Specimen Test Table	1 pc	Filament Clamping Test Table	1 pc
Horizontal Regulating Screw	4 pcs	Level	1 pc
Fuse 1A	2 pcs	Halogen Lamp 12V/15~20W	1 pc
Power Cable	1 pc	Screw Driver	2 pcs
Hardness Block 400~500 HV0.2	1 pc	Hardness Block 700~800 HV1	1 pc
Anti-dust Cover	1 pc	Usage Instruction Manual	1 copy

Technical Specification :

Model		MHV-1000	MHV-1000Z
Test Force	gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf (optional 2000gf)	
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N (optional 19.6N)	
Test Range		1HV~2967HV	
Test Mode		HV/HK	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Turret		Manual Turret	Automatic Turret
Conversion Scale		HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HB	
Data Output		Built-in Printer, RS232 Interface	
Hardness Reading		LCD Display, Data can be saved	
Objective		10x (Observe), 40x (Measure)	
Eyepiece		10x	
Total Magnification		100x, 400x	
Resolution		0.0625μm	
Dwell Time		0~60s	
Light Source		Halogen Lamp	
X-Y Test Table		Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm	
Max. Height of Specimen		100mm	
Throat		98mm	
Power Supply		AC220V/50Hz/1Ph	
Execute Standard		ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2	
Dimension		480×325×545mm, Packing Dimension: 600×360×800mm	
Weight		Net Weight: 31kg, Gross Weight: 44kg	



Flat Precision Clamp



Filament Clamp



Thin-Piece Clamp