



## **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.

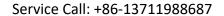
Support optional LCD video measuring device and CCD image automatic measuring system.

## **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		Usage Instruction Manual	1 сору





## **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 Outp	ut	Built-in Printer, RS232 Interface		
Hardness Rea	ading	LCD Display, Data can be saved		
Objective	Objective 10x (Observe), 40x (Measure)			
Eyepiece 10x				
Total Magnification		100x, 400x		
Resolution 0.0625μm				
Dwell Time 0~60s				
Light Sour	ce	Halogen Lamp		
X-Y Test Ta	ble	Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm		
Max. Height of S	pecimen	100mm		
Throat		98mm		
Power Sup	ply	AC220V/50Hz/1Ph		
Execute Stan	dard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2		
Dimensio	n	480×325×545mm, Packing Dimension: 600×360×800mm		
Weight		Net Weight: 31kg, Gross Weight: 44kg		







Flat Precision Clamp

Filament Clamp

Thin-Piece Clamp