



HV-1000

Micro Vickers Hardness Tester





HV-1000 Micro Vickers Hardness Tester Series

Product Features

Manual Micro Vickers

- Precision micro vickers hardness testing integrated the technology of optics, mechanics and computer.CPU control of the testing in the electric field, and adopted the highly clear optic measuring system in the field of optics as well.
- Equipped with LCD screen , the operation is more directly and clearly,Inputting by touch keys on the operating board,
- With selection of the vickers or the knoop measuring methods,can be equipped with CCD device.

Digital Micro Vickers

- Precision micro vickers hardness testing machine integrated the technology of optics, mechanics and computer.
- Equipped with LCD screen , the operation is more directly and clearly.
- Slection of the vickers or the knoop measuring methods,can be equipped with CCD device.

Touch Screen Micro Vickers

- Precision micro vickers hardness testing machine integrated the technology of optics, mechanics and computer,with a large touch screen,operation is more directly and clearly.
- Display the measuring methods, testing force, indentation length, hardness value, dwell time of the testing force as well as the number of measurement.
- Save and revise the date, record the measuring results, compute the data, outputting the information with the printer.Hardness conversion among 17 hardness scales, and linking to PC in RS 232 interface and cable.



HV-1000 Manual



HV-1000 Digital



HV-1000 Touch Screen

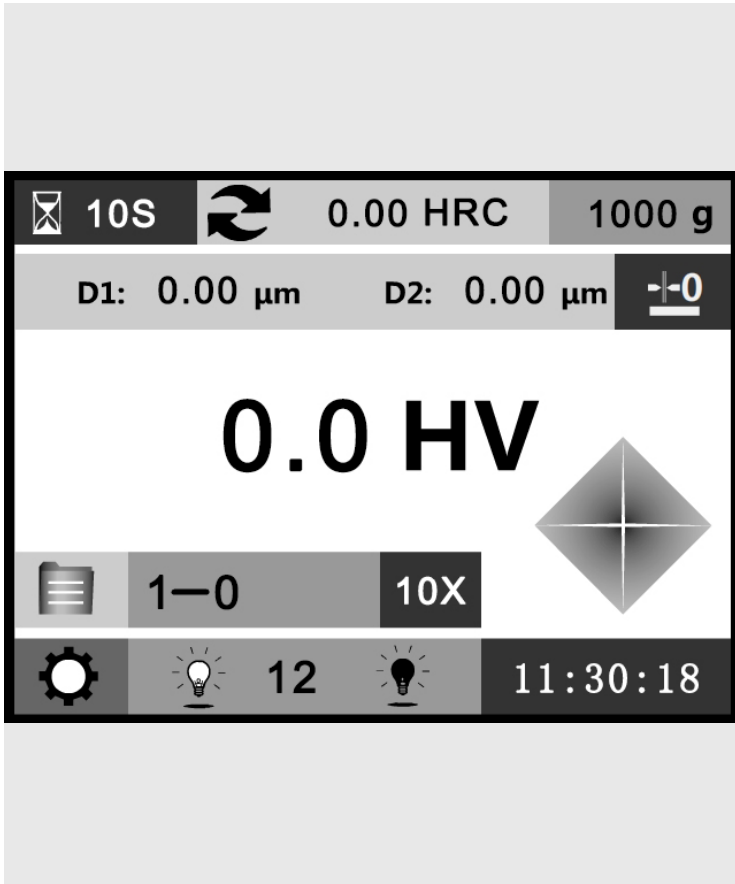
Application Range

Suitable for testing the micro and thin pieces, the parts with the permeated and coated surface,it is also fit for testing Vickers and Knoop hardness value for the crisp materials such as the agate, glass, ceramics

An ideal hardness measuring instrument for the scientific research institutes, the universities and colleges, the industrial production units and the metrological institutes .



User Friendly



Touch Screen

The MHV-1000Z

provides simple operation for hardness testing with a user-friendly touchscreen interface.

All regularly used functions are on front screen without complicated key panels. The machine can store the parameters.



Ordering Information



MHV-1000Z Advanced Touch Screen Micro Vickers Hardness Tester



HVS-1000Z Practical Digital Micro Vickers Hardness Tester



HV-1000Z Economic Manual Micro Vickers Hardness Tester



Technical Specification

Product Name	Manual Micro Vickers Hardness Tester	Digital Micro Vickers Hardness Tester	Touch Screen Micro Vickers Hardness Tester
Model	HV-1000Z	HVS-1000Z	MHV-1000Z
Turret Rotating	Auto	Auto	Auto
Testing Force	10、25、50、100、200、300、500、1000		
gf	0.098、0.246、0.49、0.98、1.96、2.94、4.90、9.80		
N			
Indentation Measurement	Mechanic Micrometer	Digital Encoder Measurement	Digital Encoder Measurement
Testing Mode	HV/HK	HV/HK	HV/HK
Conversion Scales	HK, HRA, HRBW, HRC, HRD, HREW, HRFW, HRGW, HRKW, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HS, HBW		
Output Data	Rs232/Mini-printer		
Loading Control	Automatic (Loading, Dwell, Unloading)		
Magnification of Microscope	Observation:10x; Measurement:40x		
Magnification on of Eyepiece	10x Eyepiece		
Total Magnification	100×, 400×		
Effective Field of View	200μm		
Min. Measuring Unit	0.06μm		
Dwell Time	Adjustable 5~60s		
Testing Range	1HV~2967HV		
X-Y Anvil	Size:100x100mm; Travel:25 x25mm; Resolution:2um		
Illumination	Halogen light-source		
Max. Height of Specimen	100mm		
Instrument Throat	90mm		
Power Supply	AC220V/50Hz;110V/60Hz		
Dimension(LxWxH)	480 x305x545mm		
Packing Dimension	500 x 490 x 700mm		
Gross/Net Weight	60Kg/42Kg		
Execution Standard	GB/T4340.2, EN-ISO6507, ASTM E10-18, ASTM E-384		



Standard Delivery

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



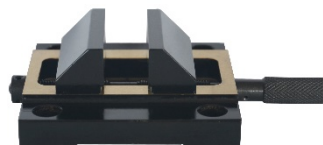
Micro Vickers Indentor



Thin-piece Clamp



Micro Vickers Hardness Block



Flat Clamp



X-Y Test Stage



Knoop Indentor(Optional)



Filament Clamp



Optional Accessories

Optional Items	Optional Items	Optional Items
Knoop Indenter	Hardness Testing Software	15x Eyepiece
Hardness Blocks	CCD measuring System	Test Clamp

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