

Economical Micro Vickers Hardness Tester



Can directly show test mode, test force, dwell time, test numbers on LCD screen, but need to input the diagonal line of the indentation to get hardness value. It also available to install optional Knoop indenter to measure Knoop hardness.

Support to equip optional 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.

Technical Specification:

Small LCD Model		HV-1000	HV-1000Z
Touch Screen Model		HVT-1000	HVT-1000Z
Test Force	gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf	
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N	
Test Range	1HV~2967HV		
Test Mode	HV		
Loading Method	Automatic (Loading/Dwell/Unloading)		
Turret	Manual Turret	Automatic Turret	
Conversion Scale	HK, HRA, HRB, HRC, HRD, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T,		
Objective	10x (Observe), 40x (Measure)		
Eyepiece	10x Reading Microscope		
Total Magnification	100x, 400x		
Resolution	0.25 μ m		
Dwell Time	0~60s		
Light Source	Halogen Lamp		
X-Y Test Table	Size: 100 \times 100mm; Travel: 25 \times 25mm; Resolution: 0.01mm		
Max. Height of Specimen	110mm		
Throat	85mm		
Power Supply	AC220V/50Hz/1Ph		
Execute Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2		
Dimension	540 \times 205 \times 530mm, Packing Dimension: 600 \times 360 \times 800mm		
Weight	Net Weight: 35kg, Gross Weight: 45kg		

Packing List:

Instrument Main Body	1 set	10x Reading Microscope	1 pc
Diamond Micro 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
Instruction Manual	1 Copy	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