

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		0.25μm	
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		110mm	
Throat		85mm	
Power Supply		AC220V/50Hz/1Ph	
Execute Standard		ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2	
Dimension		540×205×530mm, Packing Dimension: 600×360×800mm	
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