

### Digital Micro Vickers Hardness Tester iVick-451H



iVick-451H equips with digital measuring eyepiece, just press the eyepiece button after measuring the indentation length, it can automatically get the hardness value and shows on the screen.

Support Knoop hardness testing by install optional Knoop indenter, and support 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.

#### Technical Specification:

Model		iVick-451H	iVick-451M
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	
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, HR45T,	
Objective		10 <sup>x</sup> (Observe), 40 <sup>x</sup> (Measure)	
Eyepiece		10 <sup>x</sup>	
Total Magnification		100 <sup>x</sup> , 400 <sup>x</sup>	
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	

#### Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10 <sup>x</sup> Digital Measuring Eyepiece	1 pc
Diamond Micro Vickers Indenter	1 pc	10 <sup>x</sup> 、40 <sup>x</sup> 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