

Touch Screen Digital Micro Vickers Hardness Tester iVick-455MT



iVick-455MT Digital Micro Vickers hardness tester adopts unique precision design of optics, mechanic and electric features, make the indentation image clearer, and get more precise measurements.

It apply color touch screen and digital 10x eyepiece, which makes display and measurement intuitively and easily.

LCD screen can directly show the test mode, test force, indentation length, dwell time, test numbers, conversion scale, date and time.

As long as press the eyepiece button after measuring the indentation length, it can automatically get the hardness value and show on the large screen.

Test results can be saved for reviewing or be printed out by the built-in printer, and RS232 interface can connect with computer to transfer data.

Available to install optional Knoop indenter to measure Knoop hardness.

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.

Technical Specification:

Model	iVick-455MT	
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/HK	
Loading Method	Automatic (Loading/Dwell/Unloading)	
Turret	Automatic Turret	
Conversion Scale	HK, HRA, HRB, HRC, HRD, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HBW	
Data Output	Built-in Printer, RS232 Interface	
Hardness Reading	Touch Screen Display, Data can be saved	
Objective	10x (Observe), 40x (Measure)	
Eyepiece	10 ^x	
Total Magnification	100x, 400x	
Resolution	0.0625 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	100mm	
Throat	98mm	
Power Supply	AC220V/50Hz/1Ph, AC110V/60Hz/1Ph	
Execute Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2	
Dimension	480 \times 325 \times 545mm, Packing Dimension: 600 \times 360 \times 800mm	
Weight	Net Weight: 31kg, Gross Weight: 44kg	

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 pc	Usage Instruction Manual	