

Digital Micro Vickers Hardness Tester iVick-456MP



iVick-456MP Digital Micro Vickers hardness tester is a high-tech and new product combining the optics, mechanic and electric features.

With a novel and pleasing appearance, the internal structure is mainly made by stainless steel parts, has better performance.

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

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

With the up and down limit alarm function, test results can be saved for reviewing or be printed out by the built-in printer, and with RS232 interface for connecting to the computer.

Available to use optional Knoop indenter to measure Knoop hardness.

Support to equip with 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-456MP
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		HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N,
Data Output		Built-in Printer, RS232 Interface
Hardness Reading		LCD Display, Data can be saved
Objective		10x (Observe), 40x (Measure)
Eyepiece		10x
Total Magnification		100x, 400x
Resolution		0.015μm
Dwell Time		0~95s
Light Source		Halogen Lamp
X-Y Test Table		Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm
Max. Height of Specimen		90mm
Throat		120mm
Power Supply		AC220V/50Hz/1Ph, AC110V/60Hz/1Ph
Execute Standard		ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2
Dimension		495×305×550mm, Packing Dimension: 600×360×800mm
Weight		Net Weight: 35kg, 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	7 pcs	Power Cable	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
Inner Hexagon Spanner	1 pc	Screw Driver	1 pc
Plastic Absorbing Plate	1 pc	Color Filter	1 pc
Hardness Block 400~500 HV0.2	1 pc	Hardness Block 700~800 HV1	1 pc
Anti-dust Cover	1 pc	Usage Instruction Manual	1copy