

Advanced Digital Micro Vickers Hardness Tester



Features:

- Vexus MHV-1000Z Series are precision micro Vickers hardness testing machines integrated the technology of optics, mechanics and compute, and it is focus on the Vickers testing under the small force, and mainly applicable to measure the hardness value of ferrous metals and nonferrous metals;
- Vexus MHV-1000Z Series equipped with a LCD screen to provide easy operation;
- Vexus MHV-1000Z Series display the measuring methods, testing force, indentation length, hardness value, dwell time of the testing force as well as the number of measurement;
- Vexus MHV-1000Z Series are able to save and revise the date, record the measuring results, analysis the data, output the information with the printer;
- Vexus MHV-1000Z Series hardness conversion among 4 hardness scales, and connect to PC via RS 232 interface and cable;
- Vexus MHV-1000Z Series adopt the design of double indenters, it equips with HV and HK indenter together, It is more suitable to measure the hardness of IC thin sections, coatings , ply metals; Glass, ceramics, agate , precious stones and other brittle and hard material.

Specifications:

Description		Single-Indenter Digial Micro Vickers Hardness Tester	Double-Indenter Digial Micro Vickers Hardness Tester
Model		Vexus MHV-1000Z	Vexus MHV-1000ZK
Code		823-113	823-123
Loading Force	N	0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80	
	gf	10, 25, 50, 100, 200, 300, 500, 1000	
Indenter		HV Indenter	HV and HK Identer
Indentation Measurement		Digital Sensor Measurement	
Lens & Indenter Switch		Auto-Turret	
Loading Control		Automaticl (Loading, Dwell, Unloading)	
Magnification of Microscope		Observation 10x; Measurement: 40x	
Digital Eyepiece		Magnification 10x	
Auto Hardness Coverion		HV, HRC, HB	
Dwell Time		Adjustable 1 – 99s	
Testing Range		1HV – 2967HV	
X-Y Anvil		Size:100x100mm; Travel:25 x25mm; Resolution:2um	
Illumination		Adjustable LED 6V, Cold light-source	
Display		D1, D2 , HV/HRC/HB/HK, Time	
Max.Height of Specimen		90mm	
Throat		95mm	
Power Supply		AC 240V/50HZ	
Dimension (L x W x H)		490 x 250 x 395mm	
Packing Dimension		530 x 450 x 750mm	
Gross Weight		50kg	
Net Weight		40kg	
Test Standards		ISO 6507, ASTM E92, JIS Z2244, GB/T4340	

Vexus MHV-1000Z Standard Configuration

Description	Code #	Description	Code#	Description	Code #
Vickers Indenter	823-401	10xDigital Measuring Eyepiece	823-391	Dust Cover	823-911
X-Y Anvil	823-701	10xObserving Objective	823-311	Toolbox	823-901
Hardness Block (700 – 800)(HV1	823-611	40xMeasuring Objective	823-341	Power Cord	823-801
Hardness Block (400 – 500)HV0.2	823-621	Warranty Card /Qualified Certificate/Manual		Flat Precision Clamp	823-711

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HV Indenter	823-401	10xDigital Measuring Eyepiece	823-391	Dust Cover	823-911
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Hardness Block (700 – 800)(HV1	823-611	40xMeasuring Objective	823-341	Power Cord	823-801
Hardness Block (400 – 500)HV0.2	823-621	X-Y Anvil	823-701	Flat Precision Clamp	823-711
Hardness Block (700 – 800)HK0.2	823-631	Warranty Card /Qualified Certificate/Manual			

Optional Accessories

Description	Code #	Description	Code#	Description	Code #
Video Measuring Eyepiece	823-811	Unequal Specimen Clamp	823-741	Digital Micrometer Head	823-719
USB CMOS Camera	823-471	Vickers Measuring Software with CHD-function	iVicky 3.0	Camera Adapter	823-361