

Fully Automatic Vickers Hardness Tester XHVT-5Z/10Z/30Z/50Z-II



Description:

- A new generation of Vickers hardness testing incorporating a built in PC and Touch Screen
- Built in CCD image capture system, displaying clearly the tested indentation
- Touch screen panel and automatic testing of Vickers and Knoop scales
- Automatic rotation between objective lens and indenter
- Three objective lenses: 10X, 20X and 40X
- USB and RS232 interfaces
- Automatic saving of results with hardness height curve and outputting to word or excel
- Automatic X-Y stage focus and automatic operation

Specifications:

Model		XHVT-5Z-II	XHVT-10Z-II	XHVT-30Z-II	XHVT-50Z-II
Testing Force	Kgf	0.3 0.5 1 2 2.5 3 5	0.3 0.5 1 2 2.5 3 5 10	0.5 1 2 2.5 3 5 10 20 30	1 2 2.5 3 5 10 20 30 50
	N	2.94 4.9 9.8 19.6 24.5 29.4 49.0	2.94 4.9 9.8 19.6 24.5 9.4 49.0 98	4.9 9.8 19.6 24.5 29.4 49.0 98 196 294	9.8 19.6 24.5 29.4 49.0 98 196 294 490
Testing Range		8HV0 - 2900HV5/10/30/50			
Lens & Indenter Switch		Auto-Turret			
X-Y Stage		Size: 100x100 mm Travel:50x50 mm Resolution:2µm			
Loading Control		Automatic (Loading, Dwell and Unloading)			
Data Output		RS-232 / Mini printer			
Auto Hardness Conversion		HRA HRB HRX HV HK HBW etc			
Microscope Magnification		Observation: 10X Measurement: 20X			
Eyepiece		10X			
Dwell Time		0-60s (5 seconds as a unit)			
Hardness Indication		Computer Display			
Illumination		Adjustable LED			
Max Test Height		185 mm			
Test Throat		130 mm			
Power Supply		AC 220V / 50 Hz 110V / 60Hz			
Dimensions		560 mm x 335 mm x 675 mm			
Packing Dimensions		630 mm x 460 mm x 710 mm			

Standard Packing List:

- Mainframe
- 10x Eyepiece
- 10x Objective Lens
- 20x Objective Lens
- 40x Objective Lens
- Accessories box
- Gradienter
- Screwdriver
- Allen Wrench
- Vickers Indenters / Blocks
- Fuses
- Power Cable
- Halogen Lamp
- Anti-dust cover
- Level Screw
- X-Y Test Anvil
- Large Test Anvil
- V-Shape Anvil
- Mini printer
- Instruction Manual

Optional Accessories:

- Filament Clamp
- Flat Clamp
- Thin-piece Clamp
- Hardness Blocks
- Knoop Indenter
- Medium-Flat Anvil
- Polishing Machine
- Cutting Machine
- Mounting Press