

# MIDLAND METROLOGY LTD

## 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			
	HK			
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

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