

Intelligent Digital Vickers Hardness Tester XHVT-57/107/307/507

DESCRIPTION

- A new generation of Vickers Hardness Testing incorporating a built in PC and a Touch Screen.
- Testing parameters can be selected on the front Touch Screen display, making the machine clear and easy to use.
- The CCD acquisition system shows dynamically the indentation, which can then be locked and the hardness value displayed.
- High measuring accuracy and stable performance eliminates human error.
- With the Windows 7 operating system, it has all the facilities of a computer and can be connected to a monitor, printer and any other peripheral devices.
- There are three measuring objectives and automatic recognition and rotation between the objective lens and indenter. The elevation is via worm and gear giving very smooth transmission.
- Test force application: Automatic Loading, Dwelling and Unloading.
- Automatically saves the data, generates the hardness depth curve and saves as a word document.
- With built in CCD image automatic capture, the hardness value is displayed automatically.
- Digital X-Y stage makes the measurement more accurate.



STANDARD PACKING LIST

- Vickers Indenter
- Built-in 10X Objective Lens
- Built-in 20X Objective Lens
- Built-in 40X Objective Lens
- Digital X – Y Test Stage
- Vickers Hardness Block
- 10X Digital Eyepiece
- V – Shape Anvil
- Halogen Lamp
- Large Test Anvil
- Accessories Box
- Anti-dust Cover
- Level Screw / Fuse
- Instrument Manual / Power Cable
- Screwdriver / Spanner

and it can also be equipped with an automatic test stage

OPTIONAL ACCESSORIES

- Knoop Indenter
- Hardness Blocks
- Medium – Flat Anvil
- Filament Clamp
- Flat Clamp
- Thin-Piece Clamp
- Cutting Machine
- Polishing Machine
- Mounting Press (optional).

Model		XHVT-5Z	XHVT-10Z	XHVT-30Z	XHVT-50Z
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 29.4 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		8HV0.3-2 900 HV5	8HV0.3-2900 HV10	8HV0.5-2900 HV30	8HV1-2900 HV50
Lens & Indenter Switch		Auto-Turret			
Loading Control		Automatic (Loading, Dwell and Unloading)			
Microscope Magnification		Observation: 10X Measurement: 20X			
Monitor Display		10X			
Objective Lenses		10X 20X 30X			
Min Test Unit		0.0625 µm 0.125 µm 0.25 µm			
Dwell Time		Adjustable 0 – 60s			
Digital Camera Pixel		1.3 Million			
Hardness Indication		1 HV / Computer Display			
Illumination		Adjustable LED			
Max Test Height		180 mm			
Test Throat		130 mm			
Power Supply		AC 220V / 50 Hz 110V / 60Hz			
Dimensions		560 mm x 335 mm x 635 mm			
Packing Dimensions		630 mm x 460 mm x 710 mm			
Gross / Net Weight		60 / 45 Kg			