

Intelligent Micro Vickers Hardness Tester XHVT-1000Z



Description:

- XHVT-1000Z is a new generation of Micro Vickers hardness tester incorporating a built in PC and Touch Screen.
- XHVT-1000Z Testing Parameters can be selected from the front Touch Screen display, making the machine clear and easy to use.
- XHVT-1000Z CCD acquisition system shows dynamically the indentation, which can then be locked and the hardness value displayed.
- XHVT-1000Z high measuring accuracy and stable performance eliminates operator errors.
- XHVT-1000Z uses a Windows 7 operating system. It has all of the facilities of a computer and can be connected to a monitor, printer and any other peripheral devices.
- There are three measuring objective lenses, automatic recognition and rotation between the objective lens and the indenter. The elevation is via worm and gear giving very smooth transmission.
- XHVT-1000Z automatically saves the data, generates the hardness-depth curve and saves as a WORD document.
- XHVT-1000Z built in CCD image automatic capture displays the hardness value automatically.
- Digital X-Y stage makes the measurement more accurate, and can also be equipped with an automatic test table (optional).

Specifications:

Product Name		Intelligent Digital Micro Vickers Hardness Tester							
Model		XHVT-1000Z							
Testing Force	Kgf	10 25 50 100 200 300 500 1000							
	N	0.098 0.246 0.49 0.98 1.96 2.94 4.90 9.80							
Testing Range		1HV~2967HV							
Lens& Indenter Switch		Auto-turret							
Loading Control		Automatic (Loading, Dwell, Unloading)							
Magnification of Microscope		Observation:10x Measurement:20x							
Digital Eyepiece		Magnification:10x							
Objective Lenses		Magnification:10x 20x 40x							
Min.Test Unit		0.0625µm 0.125µm 0.25µm							
Dwell Time		Adjustable 0~60s							
Digital Camera Pixel		1.3 Million							
Hardness Indication		1HV/Computer Display							
Illumination		Adjustable LED							
Max. Height of Specimen		180mm							
Instrument Throat		130mm							
Power Supply		AC 220V/50Hz 110V/60Hz							
Dimension (LxWxH)		560 x 335 x 635mm							
Packing Dimension		630 x 460 x 710mm							
Gross/Net Weight		60Kg/45Kg							
Execution Standard		GB/T4340.2 EN-ISO6507 ASTME10-08 ASTME-384							

Standard Packing List:

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

Optional Accessories:

Optional Items	Optional Items	Optional Items
Filament Clamp	Flat Clamp	X-Y Stage
Thin-piece Clamp	Hardness Blocks	V-shape Anvil