

# Micro Vickers Hardness Tester

The **Manual Micro Vickers Hardness Tester** has an integrally casted whole shell body to ensure a high precision and high stability machine. The light source adopts a special high-quality imaging light source system which is used on the metallographic microscope, and the brightness of the field is evenly clear, thereby reducing the measurement error of the printing indentation. Featuring a menu-style operation interface, optional hardness scale HV or HK on the operation panel and manually input the hardness value. The objective lens and the indenter are automatically converted and positioned, and the user benefits from a high efficiency and easy to operate machine.

The micro hardness testing of materials allows for the determination of the hardness of small or thin specimens and small areas of larger specimens. Micro hardness testing is commonly used to determine characteristics of thin sheets, foils, fine wire, epoxies, paints etc. and is especially useful in determining hardness variations, caused by hardening, quenching, plating, fabrication, welding or annealing, bonding etc. Micro hardness testing can be accurately employed using loads as slight as 1 gram, somewhat less and somewhat more in certain situations.



Product Name		Manual-Turret Micro Vickers Hardness Tester	Auto-Turret Micro Vickers Hardness Tester
Model		HV-1000	HV-1000Z
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	
Indentation Measurement		Mechanic Micrometer	
Loading Control		Automatic (Loading, Dwell, Unloading)	
Magnification Of Microscope		Observation: 10x/40x; Measurement: 10x/40x	
Magnification Of Eyepiece		10x Analogue Eyepiece	
Dwell Time		Adjustable 5~60s	
Testing Range		1HV-2967HV	
Analogue X-Y Anvil		Size: 100x100mm; Travel: 25 X25mm; Resolution: 2um	
Illumination		Adjustable LED Light-Source (Halogen Is Optional)	
Max. Height Of Specimen		70mm	
Instrument Throat		95mm	
Power Supply		AC220V/50Hz	
Dimension(LxWxH)		425x245x490mm	
Gross/Net Weight		45Kg/35Kg	
Execution Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T4340	

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