



Digital Eyepiece



Turret



Light Source

The digital Vickers hardness tester can meet the basic Vickers hardness test requirements. The upgraded digital micrometer eyepiece can directly read the measurement length, so that the measured value can be obtained more quickly and accurately.

Main functions and features:

1. The optical system designed by senior optical engineers not only has clear images, but also can be used as a simple microscope with adjustable brightness and comfortable vision.
2. Industrial display LCD large-screen display can display test methods, test force, measurement of indentation length, hardness value, test force retention time, number of measurements and type in year, month, date, test results and data processing.
3. Cast aluminum shell molding, the structure is stable and not deformed, high-grade automotive paint, anti-scratch ability, use for many years is still bright as new.
4. Our company has its own R&D, production and processing capabilities. Our machines provide parts replacement and maintenance upgrade services for life.
5. HVS-10 model can directly confirm the hardness value by measuring the actual length.
6. Optional LCD large screen; LCD large-screen display to facilitate observation, the test process is straightforward.
7. optional internal printer; test results and test data directly print.



Main application scope:

1. Iron and steel, non-ferrous metals, metal foils, hard alloys, metal sheets, microstructures, carbonization.
2. Carburizing, nitriding and decarburization layers, surface hardness layer, plating layer, coating, heat treatment.
3. glass, wafers, ceramic materials.

Model	VHT-10A	VHT-10AD
Turret Movement	Automatic	Automatic
Measuring Eyepiece	10X Manual Eyepiece	10X Digital Eyepiece
Vickers hardness scale	HV0.5,HV1.0,HV3.0,HV5.0,HV10.0	
Test force(Kgf)	0.5, 1.0, 3.0, 5.0, 10.0	
Loading Method	Automatic (load/dwell/unload)	
Dwell Time	1-99s	
Optical channel	Dual light channels (eyepieces and CCD camera channels)	
Optical system	Objectives: 10×, 20× Eyepiece Magnification: 10× Total magnification (μm): 100×, 200×	
Magnification	100X(For observation), 200 X (For Measurement)	
Hardness measurement range	(5-3000)HV	
X -Y Testing Table(optional)	Size (mm): 100×100 Travel range (mm): 25×25 Minimum reading (mm): 0.01	
Max Height of specimen	165 mm	
Max depth of speimen	130 mm (distance from the center line of the indenter to the wall)	
Power Supply	AC220V/50HZ	
Overall size (mm)	585×200×630	
Weight (kg)	42	
Standard Accessories	10X micrometer eyepiece 10X and 20X objective lens Vickers indenter Large Testing Table Medium Testing Table Hardness Test Block(HV5, Hv10) Leveling Screw Power Cable Operating Manual Accessory Case	1 No. 1 No. each 1 No. 1 No. 1 No. 1 No. each 4 Nos. 1 No. 1 No. 1 No.
Optional Accessories	TRUEMET VIDAS Vickers Impression Diagonal Analysis Software; Knoop Indentor; Knoop Hardness Block; Digital XY Table; Data Transfer Software.	

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