

Micro Hardness Tester

The digital micro hardness Tester is a lab instrument to measure the hardness value of all kinds of metals according to Micro indentation hardness principle ASTM E384 and ISO 6507. They are widely used in metallurgy, forging, casting, hardness steel and nonferrous metals ,IC thin sections, Coatings, ply-metals; Glass, ceramics, agate, precious stones; thin plastic section industries, as well as in the laboratories, universities, college and scientific research institutes.

HVS-1000/HVS-1000Z Digital Micro Hardness Tester

- ※ Two grades micro-reading magnification with 100X and 400X times.
- ※ LCD screen can directly show measurement methods, test force, indentation length, hardness value, dwell time of test force and the number of measurement.
- ※ Can be Optionally equipped with digital microscope and interface, which can be linked to camera and CCD video-camera.
- ※ With Mini printer , easy to print the testing result.



HVS-1000

Specification

Model	HVS-1000	HVS-1000Z
Test load	0.098N (10gf), 0.246N (25gf), 0.49N (50gf), 0.98N (100gf), 1.96N (200gf), 2.94N (300gf), 4.90N (500gf), 9.80N (1000gf)	
Lens/indenter switch	Hand turret	Motorized turret
Carriage control	Automatic loading and unloading method	
Magnification of microscope	For measurement: 400X (Object lens 40x , eyepiece 10x) For observation: 100X (object lens 10x, eyepiece 10x)	
Load holding time	5-60 seconds	
Measuring microscope	Min measuring unit: 0.0625um	
Testing range	1-2967HV	
Micro test table size	100x100mm	
Movement	25mm in X&Y axis	
Max. height of specimen	100mm	
Max. depth of specimen	98mm	
Power supply	AC110V/220V 60/50HZ	
Dimension	(L) 480×(W) 305×(H)545mm	
Net weight	40kg	
Standard accessories	Vickers Indenter; Objective(10X,40X);Digital Micro lens (10X);XY-stage test table; Thin specimen test holder; Fork-shaped test holder; Fine wire test holder; Adjustable screw; Lever; Micro Vickers hardness block.	