

► HST-HVS1000ZT

Touch Screen Automatic Turret Micro Hardness Tester

◆ PRODUCT FEATURES

- 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, comfortable vision, and not easy to fatigue after long-term operation;
- 7-inch LCD touch screen can display the hardness value, converted hardness, test method, test force, brightness, holding time, measurement times, statistical data, upper and lower limits measurement range, test time and other test processes intuitively;
- The cast aluminum shell is formed at one time, the structure is stable and does not deform, the pure white car paint is of high grade, the scratch resistance is strong, and it is still bright as new after years of use;
- System comes with a calibration function, can manually adjust the input error calibration instrument; Adjustable range of optical system brightness: 0-100;
- can store up to 100 sets of test data;



◆ TECHNICAL PARAMETERS

Model	HST-HVS1000ZT
Turret	Automatic
Display	7-inch LCD touch screen
Test force	10gf (0.098N), 25gf (0.245N), 50gf (0.49N), 100gf (0.98N), 200gf (1.96N), 300gf (2.94N), 500gf (4.9N), 1kgf (9.8N)
Hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Display	Holding time (seconds), hardness value
Loading control	Automatic (load/hold/uninstall)
Test force retention time	5 ~60s
Test force selection	External selector knob, test force is automatically displayed on the LCD screen
Objective magnification	10×, 40×
Optical channel	Dual light channels (eyepieces and CCD camera channels)
Optical system	1. Automatic digital encoder; 2. The total magnification (μm): 100 × (observation), 400 × (measurement); 3. Measuring range (μm): 200, 4. Resolution (μm): 0.01
Hardness measurement range	(5-3000) HV
XY test platform	Size (mm): 100*100 Travel range (mm): 25*25 Minimum reading (mm): 0.01
Maximum height of specimen	110mm
Maximum width of specimen	85mm (distance from the center line of the indenter to the wall)
Data output	Optional Built-in mini printer interface (RS232 serial interface)
Voltage	AC220V/50HZ
Weight	35kg
Dimensions	400*290*480mm

◆ STANDARD CONFIGURATION

Item	Q'ty	Item	Q'ty
Micro Vickers Host	1	Flat mouth clamping table	1
Micro Vickers indente	1	Weight bar	1
10x objective	1	Sheet clamping table	1
40x objective	1	Filament holding table	1
Weights	6	Screwdriver	2
Cross table	1	External power cord	1
Test platform, weight, microscope accessory box;	1	Micro Vickers hardness block (HV1, HV0.2)	Each 1
Level meter	1	Dust cover	1
Horizontal adjustment screws	4	Product certification	1
10× Digital Micrometer Eyepieces x1	1	Product Instruction Manual	1
Fuses (1 A)	2		