

► HST-HV1000Z

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;
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- The industrial display screen can directly display the hardness value, convert the hardness, test method, test force, holding time, measurement times, and the test process is intuitive and clear;
- 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;
- Observation - test - measurement of the position switch by the automatic turret



◆ TECHNICAL PARAMETERS

Model	HST-HV1000Z
Turret	Automatic turret
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. Manual micrometer eyepiece; 2. Total magnification (μm): 100× (observation), 400× (measurement); 3. Measuring range (μm): 200; 4. Resolution (μm): 0.25
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)
Voltage	AC220V/50HZ
Weight	35kg
Dimensions	540*200*530mm

◆ 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 x1	1
Fuses (1 A)	2		