

HST-HVS2000ZT Touch Screen Display Automatic Turret Micro Hardness Tester



Application:

1. Iron and steel, non-ferrous metals, metal foils, hard alloys, metal sheets, microstructures
2. Carburizing, Nitriding and Decarburization Layers, Surface Hardening Layers, Plating, Coatings
3. Glass, wafers, ceramics

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, comfortable vision, and not easy to fatigue after long-term operation;
2. 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;
3. 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;
4. System comes with a calibration function, can manually adjust the input error calibration instrument;

- Adjustable range of optical system brightness: 0-100;
- 5, can store up to 100 sets of test data;
6. The unit of test force can be selected and converted manually. The conversion unit is: (Kgf, N)
- 7, Can display simultaneously: maximum, minimum, average, maximum error, sample difference;
8. Main interface can display 4 conversion scales at the same time, total of 18 measurement scales can be converted: HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HV, HK, HBW;
9. The upper and lower limit measurement range can be set and displayed on the main measurement interface;
10. The measuring scale can be converted into HK Knoop hardness;
11. With built-in printer, test data can also be exported to U disk via USB for analysis;

Technical Parameters:

Model	HST-HVS2000ZT
Turret	Automatic Turret
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)、2kgf (19.6N)
Hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1, HV2
Display	Holding time (seconds), hardness value
Loading control	Automatic (load/hold/uninstall)
Test force retention time	5 ~60s
Test force selection	External force selection knob, the test force is automatically displayed on the 7-inch LCD touch display
Objective magnification	10×, 40×
Optical channel	Dual light channels (eyepieces and CCD camera channels)
Optical system	Objective lens: 10 ×, forty × Eyepiece multiple: 10 × (Optional 15X) Total magnification (μ m): 100 ×, four hundred × Measuring range(μ m): 200 Resolution(μ m): 0.0625
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	165mm
Maximum width of specimen	130mm (distance from the center line of the indenter to the wall)
Data output	Built-in mini printer interface (RS232 serial interface)
Voltage	AC220V/50HZ
Weight	42kg

Dimensions	585×200×630mm
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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	1	Micro Vickers hardness block (HV1,	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		