

HST-HVS1000 Micro vicker 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

Technical Parameters:

Model	HST-HVS1000
Turret	Manual 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. 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	540×200×530mm

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 Focus In Material Test