

HST-HVS-AT-XY Semi- Automatic Micro Vickers Hardness Tester



Application

HST-HVS-AT-XY Semi- Automatic Micro Vickers Hardness Tester is integrated with several new technologies such as optical imaging, mechanical displacement, electronic control, digital imaging, image analysis, computer processing and so on. It controls the Micro Vickers hardness tester and automatic test table by the computer, and displays the indentation image on the computer screen. By means of automatic reading and manual reading, it accurately measures the HV hardness, hardening depth, film thickness, distance between two points of metals and some non-metallic materials and various films. It also can shoot metal surface morphology and taking fixed rate printing etc. This system breaks through the traditional test method, realize the hardness test of fully automatic, high precision, high repeatability, and it is the important equipment for materials analysis.

Technical Specification

Model	HST-HVS-AT-XY
Test Force	0.098n(10gf), 0.246n(25gf), 0.49n(50gf), 0.98n(100gf), 1.96n(200gf), 2.94n(300gf), 4.90n(500kgf), 9.80n(1000gf)
Test Range	8HV~2900HV
Test Mode	HV/HK
Loading Method	Automatic (Loading/Dwell/Unloading)
X-Y Test Table Moving	X-Y axis automatic moving through the software
Conversion Scale	HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15n, HR30n, HR45n, HR15T, HR30T, HR45T, HS, HB
Data Output	Built-in Printer WORD or EXCEL Report with Curve Chart
Hardness Reading	Indentation Displaying and Automatic Measuring on PC
Total Magnification	100×, 400×
Resolution	0.01μm
Dwell Time	1~90s
Light Source	Halogen Lamp
X-y Test Table	Size: 150×150mm; Travel: 50×50mm; Resolution: Less than 1 um - 3 um
Max. Height of Specimen	160mm
Throat	160mm
Power Supply	AC220V, 50Hz
Execute Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2
Dimension	540×260×650mm Packing
Weight (kg)	Gross Weight: 50