

HST-HVS5/10/30/50Z Auto-Turret vicker Hardness Tester



Application:

1. Steel, nonferrous metals, tinsel, cemented carbide, sheet metal, metallographic structure.
2. Carburization, nitriding and decarburization layer, surface hardening layer, galvanized coating, coating.
3. Glass, chip and ceramic material.

Technical Parameter:

MODEL	HST-HVS5Z	HST-HVS10Z	HST-HVS30Z	HST-HVS50Z
Turret Type	automatic			
Test force	0.3kg(2.94N), 0.5kg(4.9N), 1kg(9.8N), 2kg(19.6N), 3kg(29.4N), 5kg (49N)	0.3kg(2.94N), 0.5kg (4.9N), 1kg (9.8N), 3kg (29.4N), 5kg (49N), 10kg (98N)	1kg(9.8N),3kg(29.4N),5kg(49N),10kg(98N),20kg(196N), 30kg(294N)	1kg(9.8N), 5kg(49N), 10kg(98N), 20kg(196N), 30kg(294N), 50kg(490N)
Display	5-digit hardness value, 4-digit diagonal length (D1, D2), Hold time, number of tests, average, standard deviation, return			
Loading control	Automatic (load/hold/uninstall)			
Optical channel	Dual light channels (eyepieces and CCD camera channels)			

Test force retention time	1~99s
Optical system	Objectives: 10×, 20× (Customizable 40X) Eyepiece Magnification: 10× Total magnification (μm): 100×, 200× Measuring range: 400μm Resolution :0.125μm
Hardness test range	(5-3000)HV
XY test stand (optional)	Size (mm): 100×100 Travel range (mm): 25×25 Minimum reading (mm): 0.01
Maximum height of specimen	165mm
Maximum width of specimen	130 mm(distance from the center line of the indenter to the wall)
Data output	Optional built-in mini printer interface, (RS232 serial interface)
Meet standard	GBT4340.1, GBT4340.2, ASTM_E92
Conversion of hardness value	According to GB1172-99 and ASTM standards
Accuracy	JJG260-91, JIS B 7725, JIS B 7734, GB/ T3430.2-99, ASTM E-384, ISO 6507-2, ISO4546
voltage	AC220V/50HZ
Overall size	585×200×630mm
Weight	42kg

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