

HST-HV5 Manual Turret Vickers Hardness Tester



Introduction:

Manual turret Vickers gauges meet basic Vickers hardness test requirements, and upgraded control systems provide more measurements

According to reports, the control is more complete and accurate.

Main functions and 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 and comfortable vision.
2. Cast aluminum shell molding, the structure is stable and not deformed, high-grade automotive paint, anti-scratch ability, use for many years is still bright as new;
3. Display screen can directly show the hardness value, hardness conversion, test method, test force, holding time, measurement times, and the test process, and the test process can be intuitively understood.

Main application scope:

1. Iron and steel, non-ferrous metals, metal foils, hard alloys, metal sheets, microstructures, carbonization;
2. Carburizing, nitriding and decarburization layers, surface hardened layer, plating layer, coating, heat treatment;
3. glass, wafers, ceramic materials;

Technical Parameter:

MODEL	HST-HV5
Turret Type	Manual

Test force	0.3kg(2.94N), 0.5kg(4.9N), 1kg(9.8N), 2kg(19.6N), 3kg(29.4N), 5kg (49N)
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: 800μm 400μm Resolution :1μm 0.5μm
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)
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

Standard accessories:

Name	Quantity	Name	Quantity
Hardness tester host	1	Level adjustment screw	4
Weight	3	Dust cover	1
10X digital microscope eyepiece	1	Power cable	1
Cross measurement platform	1	Fuse 2A	2
Flat clamping table	1	Product Certificate	1
Vickers hardness block	2	Instruction Manual	1

Remarks: Optional hardness meter measurement software, eliminate human error, computer operation, improve efficiency, accuracy is more accurate.