

Manual Turret Vickers Hardness Tester (HV-5)



Main functions and features:

1. On the industrial display screen, the hardness value can be visually displayed, the hardness can be converted, the test method, the test force, the time of the charge and the number of measurements, and the test process can be intuitively understood.

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;

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 Parameters:

Vickers hardness scale	HV0.3, HV0.5, HV1.0, HV2.0, HV3.0, HV5.0
display	5-digit hardness value, 4-digit diagonal length (D1, D2), Hold time, number of tests, average, standard deviation, return
Test force	0.3, 0.5, 1.0, 2.0, 3.0, 5.0kgf
Loading control	Automatic (load/hold/uninstall)
Test force retention time	1~99 seconds
Optical system	Objectives: 10×, 20× (Customizable 40X) Eyepiece Magnification: 10× Total magnification (μm): 100×, 200× Measuring range: 800μm 400μm Resolution :1μm 0.5μm
Hardness measurement range	(5-3000)HV
Optical channel	Dual light channels (eyepieces and CCD camera channels)
XY test stand (optional)	Size (mm): 100×100 Travel range (mm): 25×25 Minimum reading (mm): 0.01
Maximum height of specimen (mm)	165
Maximum width of specimen (mm)	130 (distance from the center line of the indenter to the wall)
Executive standard	GB/T4340.2 Chinese Standard, JJG151 Inspection Rule
voltage	AC220V/50HZ
Overall size (mm)	585×200×630
Weight (kg)	42