

Digital display Auto Turret micro hardness tester (HVS-1000ZLS large screen)



Main functions and features:

1. Industrial display LCD large-screen display can display test method, test force, measuring indentation length, hardness value, converted hardness value, test force holding time, number of measurements and can be typed into year, month, date, test results and data processing, etc.
2. The upgraded side lifting structure has higher precision, and the lifting platform is more stable during testing. It is not necessary to focus again after the test is completed. The LCD large-screen display is convenient for observation, test conditions, and the test process is straightforward.
3. HVS-1000ZLS models can be directly measured by the actual measurement of the length to obtain the hardness value.

Technical Parameters:

Micro hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Display	dwel time (seconds), hardness value, etc
Test force (gf)	10, 25, 50, 100, 200, 300, 500, 1000
Loading control	Automatic (load/dwell/uninstall)
Dwell time (s)	5 to 60
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): $100 \times$ (observation), $400 \times$ (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 (mm)	110
Maximum width of specimen (mm)	85 (distance from the center line of the indenter to the wall)
Data output	Reserve built-in mini printer interface (RS232 serial interface), optional installation