

Touch screen automatic turret type Vickers Hardness Tester (HVST-5Z)

The digital turret-type Vickers hardness tester can meet the basic Vickers hardness test requirements. The upgraded digital micrometer eyepiece can directly read the measurement length, so that the measurement value can be obtained more quickly and accurately. The tower can automatically switch the eyepiece and indenter to avoid artificial errors and damage the instrument, also greatly improve the efficiency.



Main functions and features:

1. 7-inch touch screen displays test method, test force, upper and lower limit of hardness value, measure indentation length, hardness value, test force retention time, number of measurements and type in year, month and date, test result and data processing.
2. the system comes with calibration function, each file can manually adjust the input error calibration instrument;
3. can store up to 100 sets of test data, in the main interface to display the average and the number of test data;
4. can set the upper and lower limit measurement range, displayed in the main measurement interface;
5. test data can be directly exported via USB;
6. HVST-5Z models can be realized: observation - test - measurement of the position switch by the automatic turret.

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(Kgf)	0.3、 0.5 、 1.0 、 2.0 、 3.0、 5.0
Loading control	Automatic (load/hold/uninstall)
Test force retention time(s)	1~99
Optical channel	Dual light channels (eyepieces and CCD camera channels)
Optical system	Objectives: 10×, 20× Eyepiece Magnification: 10×(can be changed to 15X) Total magnification (μm): 100×, 200×(can be changed to 150X,300X)
Hardness measurement 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 (mm)	165
Maximum width of specimen (mm)	130 (distance from the center line of the indenter to the wall)
Data output	Reserve built-in mini printer interface, (RS232 serial interface) optional installation
voltage	AC220V/50HZ
Weight & size	45Kg, 585×200×630mm