

### Touch Screen Micro Hardness Tester HVT-1000



#### Main functions and features:

1. 7-inch LCD touch screen can visually display the hardness value, conversion hardness, test method, test force, brightness, load time, number of measurements, statistical data, upper and lower limit measurement range, test time and other test procedures are straightforward;
2. The system comes with calibration function, you can manually adjust the input error calibration instrument;
3. Can store up to 100 sets of test data, display the last 5 sets of test data in the main interface;
4. Can set the upper and lower limit measurement range, displayed on the main measurement interface;

#### Technical Parameters:

Micro hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Display	7 inch LCD touch screen
Test force (gf)	10,25,50,100,200,300,500,1000
Loading control	Automatic (load/dwell/uninstall)
Test force retention time (s)	5 to 60
Test force selection	External force selection knob, the test force is automatically displayed on the 5.6-inch LCD touch display
Objective magnification	10×, 40×
Optical channel	Dual light channels (eyepieces and CCD camera channels)
Optical system	1. Automatic digital encoder; 2. The total magnification ( $\mu\text{m}$ ): $100 \times$ (observation), $400 \times$ (measurement); 3. Measuring range ( $\mu\text{m}$ ): 200; 4. Resolution ( $\mu\text{m}$ ): 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)	90
Maximum width of specimen (mm)	120(distance from the center line of the indenter to the wall)
Voltage	AC220V/50HZ
Weight (kg)	35