

Touch-screen Auto Turret Micro Vickers Hardness Tester



Product Features:

- HV-1000ATHY Touch-screen auto turret micro vickers hardness tester, adopt 8 -inch touch screen and high-speed ARM processor, Visual display, friendly man-machine interaction, easy operation, Fast operation speed, extensive database storage, data automatic correction, and provide data broken line report;
- The machine body is integral casting by high quality cast iron, with the automotive paint treatment process, the appearance is round and beautiful;
- The turbo-worm lifting system can greatly improve the test stability and accuracy, and there is no need to focus again after the test is completed;
- Equipped with automatic turret function, HD measurement and observation - dual objective lens combination, combined with the built-in length encoder HD micrometer eyepiece, to achieve indentation diagonal one-key measurement, greatly reduce the manual interference and reading error;
- Convenient control system can automatically convert the unit of full hardness scale;
- The maximum and minimum hardness values can be set, when the test value exceeds the set range, an alarm sound will be issued;
- With the function of software hardness value correction, the hardness value can be directly corrected within a certain range;
- With the database function, the test data can be saved automatically in groups, each group can save 10 data, total can save more than 2000 data;
- With the hardness value curve display function, intuitive display the changes of hardness value;
- CCD image processing system can be optional, the knoop indenter can be selected to measure the knoop hardness;
- Equipped with wireless blue-tooth printer, the data can be output through RS232 and USB interface port;
- Accuracy is in line with GB/T4340.2 ISO6507-2 and us ASTM E384.

Main Parameters:

Model	HV-1000ATHY
Range of Measurement	5-5000HV
Test Force	0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N (10、25、50、100、200、300、500、1000gf)
Data Entry Mode	Manual
Turret Mode	Automatic
Maximum Height of Specimen	120mm
Distance between Indenter Center and Wall	110mm
XY Worktable Size	100*100mm
XY Anvil Effective Travel	25*25mm
XY Anvil Travel Resolution	0.01mm
Objectives	10x, 40x
Total Magnification	100x, 400x
Eyepiece Resolution	0.025 μ m
Hardness Resolution	0.1HV
Power Supply	AC 220V/50Hz
Outline Dimension	530*290*490mm
Weight	45kg