HVS-1000TA

AUTO TURRET TOUCH SCREEN DIGITAL DISPLAY MICRO VICKERS HARDNESS TESTER

Feature & Use

- Automatic turret shifting between indenter and objective lens.
- Large 8” touch screen, direct visual display and interactive operating interface.
- High speed ARM processor, fast operation speed and extensive database storage.
- High quality integral casting cast iron machine body with automotive paint treatment process, the appearance is smooth and beautiful.
- The hardness scale, test force, indenter type, holding time and the conversion unit can be displayed on screen and set.
- The turbo-worm elevating system can greatly improve the testing stability and accuracy.
- 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 scales.
- 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 testing data can be saved automatically in groups, each group can save 10 data, totally can save up to 2000 data.
- With the hardness value curve display function, intuitively display the changes of hardness value.
- CCD image measuring system is optional.
- Knoop indenter can be selected to measure the Knoop hardness.
- Equipped with wireless blue-tooth printer, the data can be output through RS232 or USB interface.
- Precision conforms to GB/T4340.2, ISO6507-2 and ASTM E384.

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Line : @itokin2000.com
Tel : 02-9744354-6
Email : salesitokin@gmail.com

HVS-1000TA

AUTO TURRET TOUCH SCREEN DIGITAL DISPLAY MICRO VICKERS HARDNESS TESTER

Technical Specifications:

Test force	10, 25, 50, 100, 200, 300, 500, 1000gf (0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N)
Conversion Scale	HRA, HRB, HRC, HRD, HRE, HRF, HV, HB, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Hardness measuring range	5~2900HV
Measuring resolution	0.025μm
Hardness resolution	0.1HV
Max Height of Specimen	120mm
Depth of throat	110mm
X-Y Testing table	Dimension: 100*100mm Max. travel: 25*25mm grade division of micrometer head: 0.01mm
Carried standards	GBT4340.2, ISO6507-2, ASTM E384
Magnification of eyepiece	10X
Magnification of objective lens	10X, 40X
Total magnification	100X, 400X
Data output	LCD display, wireless blue-tooth printer, RS232 and USB interface
Dwelling time	1~99s
Power supply	AC 220V or 110V, 50 or 60Hz
Overall Dimensions	530*290*490mm
Net weight	About 45Kg

Standard Accessories:

- X-Y Coordinate test anvil: 1 pc.
- Thin shaft anvil: 1 pc.
- Thin plate anvil: 1 pc.
- Flat nose pliers: 1 pc.
- Large V-notch anvil: 1 pc.
- Small V-notch anvil: 1 pc.
- Diamond pyramid penetrator: 1 pc.
- Micro-Vickers standardized block: 2 pcs.

Note: Special accessories can be provided.

- Knoop indenter: can measuring some high hardness materials.
- Video measuring apparatus can be provided. It can display the testing indentation image on the screen and make the measurement.
- CCD image processing system can be provided. It will clearly show indentation image on a computer screen, and make automatic or manual measurement through PC.
- Digital micrometer can be provided to be equipped on X-Y stage to realize digital movement control.

LINE : @ITOKIN2000.COM
TEL : 02-9744354-6
EMAIL : SALESITOKIN@GMAIL.COM