

HST-HV5/10/30/50Z Auto-Turret vicker Hardness Tester



(machine picture only for your reference)

Introduction:

This product adopts a unique and precise design in mechanics, optics and light source to make the indentation imaging clearer and the measurement more accurate. The instrument adopts a closed-loop loading control system to improve the accuracy of the test force, and the repeatability and stability of the indication value are good. It adopts a new display LCD display. The hardness scale HV or HK can be selected on the operation panel. The tested hardness value can be Convert hardness values to each other. Equipped with a 10x digital display measuring microscope and a 20x objective lens, both can participate in the measurement, making the measurement range wider, the application range wider, the operation more intuitive and clearer, and the test

method, test force, indentation length, etc. can be displayed on the screen. It has functions such as hardness value, test force retention time, date, time, hardness conversion value, etc. It has a threaded interface for connecting digital cameras and CCD cameras, making it easy to choose computers and hardness analysis and measurement software.

Application scope:

This hardness tester is suitable for measuring small and thin test pieces, and parts after surface penetration and plating. It can also measure the Vickers hardness of brittle materials such as agate and glass.

Technology parameters:

Name	Specification
Test force	0.3kgf,0.5kgf ,1Kgf,2Kgf,2.5Kgf,3Kgf,5Kgf,10Kgf,20Kgf,30Kgf,50kgf 2.94,4.90N,9.80N,19.6N,24.5N,29.4N,49N,98N,196N,294N,490N
Conversion scale	HRA,HRB,HRC,HRD,HRF,HV,HK,HBW,HBS,HR15N,HR30N,HR45N,HR15T,HR30T,HR45T
Light source	Halogen light source
Test mode	HV/HK
Hardness test range	5~3000HV
Test force application method	Automatic (loading, holding, unloading)
Turret rotation method	automatic
Objective lens	10X(for observation), 20× (for measurement)
Eyepiece	10X (reading microscope)
Total magnification	100X ,200X
Test force dwell time	1~60s
Data output	LCD display readout,built-in printer
Maximum height of specimen	175mm
Distance from the center of the indenter to the inner wall	125mm
Power supply	AC220V±5%, 50~60Hz

Executive standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2
Dimensions	320*580*650mm
Host weight	About 55KG

Packing List:

Name	Quantity
Hardness tester host	1
Vickers indenter	1
Objective lens	2
Accessory box	1
Micrometer eyepiece	1
Large flat workbench	1
Small flat workbench	1
V workbench	1
Level adjustment screw	4
Spirit level	1
Dust cover	1
Power cable	1
Fuse	2
Vickers hardness block	2