

HST-HVS1000T Micro vicker Hardness Tester



Scope of application:

HST-HVS1000T touch screen manual turret digital micro hardness tester is mainly used for micro Vickers hardness measurement of various metals and some non-metallic materials.), non-ferrous metals, heat post-treated parts, various tiny and thin parts, glass, ceramics, agate, gemstones, etc. for hardness determination, and also suitable for carbonization, effective depth of quenching and hardening layer, coating, surface coating and welding Heat-affected parts of parts. It can also be used to observe the internal metallographic structure of various metal parts and to collect, display and output images. It is especially

suitable for measuring the hardness gradient distribution curve of the workpiece and measuring the surface hardness of the gear after heat treatment, and the depth of the effective hardened layer.

Product description:

This product adopts a unique and precise design in mechanics, optics and light source, which makes the indentation imaging clearer and the measurement more accurate. It adopts a new LCD display, and the operation interface adopts a menu structure. The hardness scale HV or HK can be selected on the operation panel, and the tested hardness value is automatically calculated and displayed automatically. Various hardness values can be converted to each other. The machine is equipped with a 10 times digital display measuring microscope and a 40 times objective lens, which can participate in the measurement, so that the measurement range is larger and the application range is wider. Test force, indentation length, hardness value, test force holding time, measurement times, date, time, hardness conversion value and other functions. It has functions such as scale conversion, storage, and printing. The manual conversion and positioning of the indenter and the objective lens is accurate, and the efficiency is higher. It has a threaded interface for connecting a digital camera and a CCD camera, which is convenient for choosing a computer and hardness analysis and measurement software.

Technical Parameter:

Product number	HST-HVS1000T
Test force	10gf (0.098N), 25gf (0.245N), 50gf (0.49N), 100gf (0.98N), 200gf (1.96N), 300gf (2.94N), 500gf (4.9N), 1kgf (9.8N)
Minimum test unit	0.025μm Electronic Automatic Measurement Eyepiece
Convert ruler	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Hardness test range	5~3000HV
Test force application method	Automatic (loading, dwelling, unloading)
Test microscope magnification	100X (observation) 400X (test)
Test force dwell time	1~60s

X-Y test stand	Size: 100*100mm Maximum movement: 25*25mm
data output	LCD display readout, built-in printer
Maximum height of specimen	110mm
The distance from the center of the indenter to the outer wall	110mm
power supply	AC220V+5%, 50-60Hz
Dimensions	320mm(W)*500mm(D)*570mm(H)
Host weight	About 40Kg

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