

HST-HVS-1000ZT-6 Auto-turret Micro Vickers Hardness Tester



Product introduction

HST-HVS-1000ZT-6 automatic turret micro Vickers hardness tester is equipped with Vickers, Knoop indenter and 4 kinds of objective lens. Vickers hardness and Knoop hardness values can be measured simultaneously. Adopt optical cross guide rail lifting mechanism, force value is accurate, the image is clear, is an ideal high-end micro hardness tester.

Main features

- Installed with Vickers, Knoop head and 4 objectives;
- During the test, the indenter and the objective lens automatically switch to each other, and the test point automatically locates accurately.
- Lifting mechanism guided by optical cross rail ensures guiding accuracy; Using rack and pinion two stage force transmission, can achieve fast and smooth force transmission;
- LED light source, long life, no need to replace the bulb;
- Equipped with built-in camera, the image is clearer;
- It can be calibrated according to standard hardness blocks or length scales, and the hardness can be corrected automatically according to high, medium and low hardness values, so that the hardness value is more accurate.
- 8 inch touch screen interface, easy to operate;
- Data statistics save, easy to query and print out;
- Various hardness values convert to each other;
- Test setting parameters are protected by password;

- At least 3 languages such as Chinese and English are available;
- Equipped with RS-232 interface for computer connection;
- Optional maximum test force 2kg.

Technical parameters

Model	HST-HVS-1000ZT-6
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)
Meet standard	GB/T4340.2, GB/T 18449.2, ASTM E92
Measurement resolution	0.01μm
Data display output	8-inch touch screen displays readings, stores 20 test results, has a built-in printer and RS-232 interface, and an optional USB flash drive
Conversion scale	Rockwell, Brinell
Hardness test range	8 ~ 2900 HV/HK,
Test force application method	Automatic (loading, preserving, unloading)
Test microscope magnification	400X, 200X, 100X, 50X (test, observation) (500X optional)
Test force dwell time	1-99s
Maximum allowable specimen height	100mm
Distance from indenter to wall	130mm
X-Y platform	Size: 100*100mm Maximum movement: 25*25mm
Size	540*260*650mm
Weight	About 50 kg
Power supply	AC220V + 5%, 50 to 60 hz