

Digital Micro Vickers Hardness Tester LHVS-1000Z (Semi-Automatic)



USB



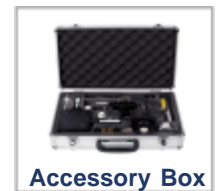
Software



LCD



Objective lens



Accessory Box

Functions & Features

- Touch Screen, full color multi-function OLED display
- Motorized X-Y testing table, Automatic and continuous measuring.
- 1.3 megapixel microscope measurement camera
- computer software system for measuring controll, generating reports and data management
- Automatic turret function: The objective and Indenter can automatically switch
- High-definition optical system, the brightness of light source can be adjusted in 20 levels.
- With hardness value conversion function, tolerance judgment by hardness upper and lower limit.
- Corner length D1 and D2 automatically calculate and input
- Measurement results can be output by the printer, USB and computer.
- Meet or exceed ISO, ASTM and JJS standards.

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts
- Test the depth and gradient of the carbonized layers and quenched hardened layers.

Technical Parameters

Model	LHVS-1000Z (Semi-Automatic)
Test force	10gf (0.098N)、25gf (0.245N)、50gf (0.49N)、100gf (0.98N)、200gf (1.96N)、300gf (2.94N)、500gf(4.9N)、1000gf (9.8N)
Measuring Range	8-2900HV
Carried Standard	GB/T 4340, ISO 6507, EN ISO 6507, ASTM E-384, JIG151
Conversion Scale	Rockwell, Superficial Rockwell, Brinell
Min measuring unit	0.03125 μ m (with objective lens)
Test microscope magnification	400X(Measuring) , 100X (observation)
Data output	Built-in Printer, USB port, PC software
Load control (force applied)	Automatic (Loading, Dwell, Unloading)
Max Height of Specimen	90mm
Distance of Indenter to outer wall	120mm
Power supply	AC220V+5%, 50-60Hz
Net weight	About 52Kg

Standard Delivery

Item	Quantity	Item	Quantity
Main body	1	CCD camera & Semi-Automatic Software kit	1
Objective 10x, 40x	2	Motorized X-Y table	1
Electric Eyepiece 10x	1	Testing table	3
HV Indenter	1	Accessories box kit	1
Hardness Block	2	Manual & Certificate	2

Pictures

