

Digital Vickers Hardness Tester LHVS-5Z/10Z/30Z/50Z



USB



Software



LCD



Functions & Features

- 4-inch large Oled Touch Screen with menu structure
- Back-light brightness is adjustable in 20 levels
- with high-definition optical system
- Corner length D1 and D2 can be read directly by the system
- Test results and data processing can be output by printer
- Test process is automatic and easy to operate
- Hardness scales conversion.
- Meet or exceed ISO, ASTM and JJS standards.
- With Motorized Turret function. (LHVS-5Z/10Z/30Z/50Z)

Application

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

Technical Parameters

Model	LHVS-5Z/10Z/30Z/50Z
Test force	LHVS-5Z: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、2Kgf (19.6N)、3Kgf(29.4N)、5Kgf (49N)
	LHVS-10Z: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)
	LHVS-30Z: 1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)
	LHVS-50Z: 1Kgf (9.8N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)、50Kgf (490N)
Measuring Range	8-2900HV
Conversion Scale	Rockwell, Superficial Rockwell, Brinell
Indication of Hardness Value	Large Oled Touch Screen display
Min measuring unit	0.125μm (with objective lens)
Test microscope magnification	200X(Measuring), 100X (observation)
Data output	Inside Printer
Load control (force applied)	Automatic (Loading, Dwell, Unloading)
Max Height of Specimen	165mm
Distance of Indenter to outer wall	130mm
Power supply	AC220V+5%, 50-60Hz
Carried Standard	GB/T4340.2 Chinese Standard, JJG151 Inspection Rule
Net weight	About 45Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 20x	2	Testing table	3
Eyepiece 10x	1	12V20W light bulb	1
HV Indenter	1	Power cable & 2A fuse	2
Weight	3	Paper for thermal printer	1
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV5)	2	Manual & Certificate	2