

DIGITAL VICKERS HARDNESS TESTER



Turret



LCD Display



10x, 20x Objectives



HV Indenter



10x Eyepiece

Main Features

- Automatic measuring process
- 4-inch LCD multi-function display
- Corner length D1 and D2 automatically input
- High-definition optical system: 20 levels adjustable
- Test force range 0.3kgf to 50kgf
- Hardness scale conversion function

- Automatic Turret (LHVS-5Z/10Z/30Z/50Z)
- Optional high-definition CCD camera and system

Application Fields

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

Technical Specifications

Model	LHVS-5/10/30/50
Test force	LHVS-5 : 0.3Kgf (2.94N), 0.5Kgf(4.9N), 1Kgf (9.8N), 2Kgf (19.6N), 3Kgf(29.4N), 5Kgf (49N) LHVS-10: 0.3Kgf (2.94N), 0.5Kgf(4.9N), 1Kgf (9.8N), 3Kgf(29.4N), 5Kgf (49N), 10Kgf (98N) LHVS-30: 1Kgf (9.8N), 3Kgf(29.4N), 5Kgf (49N), 10Kgf (98N), 20Kgf (196N), 30Kgf (294N) LHVS-50: 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 LCD screen display
Min measuring unit	0.0625μm (with objective lens)
Test microscope magnification	200X(Measuring), 100X (observation)
Data output	Built-in Printer,
Load control (force applied)	Automatic (Loading, Dwell, Unloading)
Max Height of Specimen	165mm
Distance of Indenter to wall	130mm
Power supply	AC220V±5%, 50-60Hz
Carried Standard	GB/T4340.2 Chinese Standard, JG1151 Inspection Rule
Net weight	About 45Kg
Standard Accessories	Indenter*1, Hardness Block*2, Testing table*1, Testing platform*3, Objectives*2, Eyepiece*1 Light bulb*1, ect. (Please see Packing list)

Optional Models



LHV-5-50Z

- Digital LCD display
- Min measuring unit: 0.5μm
- Test force 0.3Kgf to 50Kgf (Optional)
- Optional Automatic turret function
- D1 and D2 manual input



LMHVS-5Z-50Z

- All functions of LHVS-5-50Z
- Touch screen, full color display
- Min measuring unit: 0.0625μm
- D1 and D2 Automatic input
- Printer & Optional automatic system