

Vickers Hardness Tester LHV-5/10/30/50



Functions & Features

- With LCD screen, high-definition optical system
- Back-light brightness is adjustable in 20 levels
- Corner length D1 and D2 can be read by the eyepiece
- Hardness scales conversion
- Meet or exceed ISO, ASTM and JJS standards
- With Motorized Turret function. (LHV-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	LHV-5/10/30/50
Test force	LHV-5: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、2Kgf (19.6N)、3Kgf(29.4N)、5Kgf (49N)
	LHV-10: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)
	LHV-30: 1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)
	LHV-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	0.5 μ m (with objective lens)
Test microscope magnification	200X(Measuring), 100X (observation)
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	1
Weight	3	2A fuse	2
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV5)	2	Manual & Certificate	2