

Vickers Hardness Tester LHVS-5Z/10Z/30Z/50Z (Touch Screen)



USB



Software



LCD



Objective lens



Accessory Box

Functions & Features

- Touch Screen, full color multi-function OLED display
- 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.
- 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
- 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 (Touch Screen)
Test force	LHVS-5Z(Touch Screen): 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、2Kgf (19.6N)、3Kgf(29.4N)、5Kgf (49N)
	LHVS-10Z(Touch Screen): 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)
	LHVS-30Z(Touch Screen): 1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)
	LHVS-50Z(Touch Screen): 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	0.0625 μ m (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/T 4340, ISO 6507, EN ISO 6507, ASTM E-384, JJG151
Net weight	About 48Kg

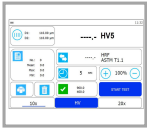
Standard Accessories

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

Pictures



Automatic Turret



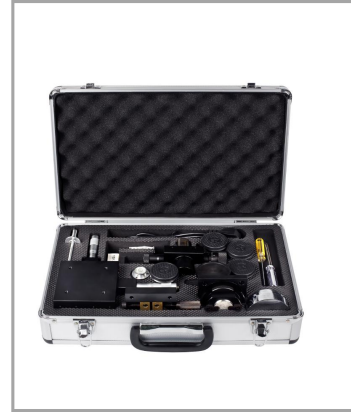
Touch Screen



Touch Screen & Built-in Printer



Built-in Printer



Accessory box

