

Micro Vickers Hardness Tester LHV-1000/LHV-1000Z



Functions & Features

- Automatic measuring process, easy operation.
- With LCD display, the hardness scale HV or HK can be selected.
- High-definition optical system, the brightness of light source can be adjusted in 20 levels.
- Corner length D1 and D2 can be read by the eyepiece.
- Automatic turret function: The objective and Indenter can automatically switch. (LHV-1000Z)
- 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

Technical Parameters

Model	LHV-1000 / LHV-1000Z
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)
Min measuring unit	0.25μm
Data output	LCD screen display
Max Height of Specimen	100mm
Distance of Indenter to outer wall	120mm
X-Y Testing table	Dimension: 100*100mm Max mobile: 25*25mm
Conversion Scale	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Measuring Range	8~2900HV
method of testing force applied	Automatic (Loading, Dwell, Unloading)
Test microscope magnification	400X(Measuring), 100X (observation)
Duration time	5~60s (Adjustable)
Power supply	AC220V+5%, 50-60Hz
Overall Dimension	405*290*480mm
Net weight	About 35Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 40x	2	XY Coordinate table	1
Eyepiece 10x	1	Testing table	3
HV Indenter	1	12V20W light bulb	1
Weight	6	Power cable & 2A fuse	2
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV1, HV0.2)	2	Manual & Certificate	2