

Digital Micro Vickers Hardness Tester MVD-1000



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 directly by the system. directly by the system.
- Measurement results can be output by the printer.
- Meet or exceed ISO, ASTM and JIS standards.

Applications

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc..
- Heat treatment, carbonization, quenched hardened layer, nitrided layer.
- Small and thin parts.

Technical Parameters

Model	MVD-1000
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)
Conversion Scale	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Measuring Range	8 ~ 2900HV
Loading Mechanism	Automatic (Loading, Dwell, Unloading)
Duration Time	5 ~ 60s (Adjustable)
Objective Lens	400X (Measuring), 100X (Observation)
Min. Measuring Unit	0.03125µm
Turret	Manual
Data Display	Digital LCD Screen Display
X-Y Testing Table	Dimension: 100 x 100mm; Max. Travel: 25 x 25mm
Max. Height of Specimen	100mm
Distance of Indenter to Outer Wall	120mm
Power Supply	AC220V +5%, 50 - 60Hz
Overall Dimension	405 x 290 x 480mm
Net Weight	About 35kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10X, 40X	2	Testing Table	3
Eyepiece 10X	1	12V20W Light Bulb	1
HV Indenter	1	Power Cable & 2A Fuse	2
Weight	6	Paper for Thermal Printer	1
Rod of Weight	1	Screwdriver & Level Vial	2
Hardness Block (HV1, HV0.2)	2	Manual & Inspection Certificate	2
XY Coordinate Table	1		