



DIGITAL MICRO HARDNESS TESTER

DIGITAL DISPLAY MICRO HARDNESS TESTER: -

It has a more faster testing speed than other ordinary Microhardness tester. The hardness value can be displayed directly and not need to enter the length of the diagonal. High quality imported components ensure the instrument can stable working for a very long time, protected by the state patent application of the lift & down system, after upgrading, the control system can provide more measuring data, and control more precise.

- **VALUE**
- **VERSATILITY**
- **PERFORMANCE**



VHD-1000A/B

MAIN FUNCTIONS AND FEATURES: -

- According to different visual habits of the operators, the strength of the light source can be adjusted. To avoid the visual fatigue for long time operation.
- With Vickers hardness and Knoop hardness testing capabilities, and testing force can be extended to 2KG (HV2). Automatic measuring the indentation diagonal length, the hardness and conversion hardness will show on the screen directly, no need to check hardness table.
- The built-in printer can print testing times.
- Testing method, testing power and duration time can be displayed directly on the LCD screen.
- Reserved image channel, can be connected with computer, used the image analysis software to analyzing the physical and chemical properties of the material (for optional purchase)

**SPECIFICATIONS: -**

MODEL	VHD-1000A	VHD-1000B
Switch Type of Objective	Auto Turret	Manual Turret
Testing Force	10g(0.098N),25g (0.245N),50g (0.49N),100g (0.98N) 200g (1.96N), 300g (2.94N), 500g (4.9N),1000g(9.8N) and 2000g (Optional)	
Scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1 and HV2 (Optional)	
Conversion Scale	HRA, HRB, HRC, HRD, HK, HBS, H15N, H30N, H45N, H15T, H30T, H45T	
Min. Measuring Unit	0.01 mm	
Hardness Value Rang	1-4000HV	
Hardness Value of Reading	Digital LCD Screen	
Total Magnification of Microscope	100X (For Observation), 400X (For Measurement) (Can be extended to 200X or 600X)	
Loading Method	Automatically (Load, dwell and unload the testing force)	
Duration Time	1-99s	
Specimen Allowing Maximum Height	85mm	
Throat Depth	110mm	
Light Source	LED Cold light source (can be continuous use for 24 hours servicing life can reach 100,000 hours)	
Power supply	110V/220V + 5%, 50/60 hz	
X-Y Testing Table	Dim.:100×100 mm, Max. Travel Range: 25×25mm, Moving Resolution Ratio:0.01mm (X-Y Digital Testing Table with digital LCD Screen for Optional)	
Data Output	Built-in Printer (Hardness Value, The Max. And Min. Value Testing times and Average Value) Built-in RS-232 interface	

STANDARD ACCESSORIES

10X Micrometer eyepiece : 1pc,	10X and 40X Objective lens : 1pc	
Vickers indenter : 1pc,	X-Y testing table : 1pc,	
Flat fixture : 1pc	Thin fixture : 1pc	Instruction Book : 1pc
Power cable : 1pc	Standard block of hardness : 2pc	

OPTIONAL ACCESSORIES

Image analysis software,	Metallurgical structure equipment,
Knoop Indenter	Knoop hardness block,
15X micrometer eyepiece,	2.5X Objective lens
20X Objective Lens,	60X Objective Lens.