



MICRO HARDNESS TESTER

DIGITAL DISPLAY MICRO HARDNESS TESTER (VH-5A)

The objective lens and indenter can be shift automatically after finished focus. Loading, dwell and unloading the test force automatically. And the objective lens returns to initial focus status, measuring directly. Greatly improved the working efficiency.

DIGITAL DISPLAY MICRO HARDNESS TESTER (VH-5B)

It has a faster testing speed than other ordinary vickers hardness tester. The hardness value can be display directly and need to enter the length of the diagonal. And the machine is famous as its fashion and decent design, high testing precision, stable function and simple operations.



VH-5A/B

MAIN FUNCTION & FEATURES: -

- The optical system designed by senior optical engineer not only meet the definition of hardness testing requirements, but also can
- observe the microstructure of the material.
- With Vickers hardness and Knoop hardness testing capabilities.
- The independent research and development of lifting system and positioning system, ensured the accuracy and repeatedly of the
- testing process.
- Testing method, testing power and duration time can be displayed directly on the LCD screen.
- According to different visual habits of the operators, the strength of the light source can be adjusted. Avoid the visual fatigue for
- long time operation.
- The testing data able to be printed directly by the built-in printer.
- Reserved image channel, can be connected with computer, used the image analysis software to analyzing the physical and chemical proper ties of the material.

**TECHNICAL SPECIFICATIONS: -**

Model No.	VH-5A	VH-5B
Switch Type of Objective	Auto Turret	Manual Turret
Testing Force	200g (1.96N), 500g (4.9N), 1000g (9.8N), 2000g (19.6N), 3000g (29.4N), 5000g (49N)	
Scale	HVO.2, HVO.5, HV1, HV2, HV3, HV5	
Min. Measuring Units	0.01 μ m	
Hardness Value Range	1HV-4000HV	
Hardness Value Of Reading	Digital LCD Screen	
Total Magnification of microscope	100X (For Observation), 200X (For Measurement)	
Loading Method	Automatically (Load, dwell and unload the testing force)	
Dwell Time	1-99s	
Specimen Allowing Maximum Height	85mm	
Throat Depth	110mm	
Instrument Weight	45 kg	
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 20X Objective lens: 1pc
- Vickers indenter: 1pc
- Flat Fixture: 1pc
- Thin Fixture: 1pc
- Power cable: 1pc
- Manual Book: 1 pc
- 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
- 40X objective lens
- 60X objective lens