



VICKERS HARDNESS TESTER

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



VH-10/30/50 A&B

MAIN FUNCTIONS AND FEATURES:

- The optical system designed by senior optical engineer can meet the definition of hardness testing requirements of our customers.
- The independent research and development of lifting system and positioning system, ensured the accuracy and repeatedly of the testing of the testing process.
- Testing method, testing power and duration time can be display directly on the LCD screen. The hardness value can be displayed directly by entering the indentation diagonal length and avoid the complication of the look-up table.
- 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.
- The testing data able to be printed directly by the built-in printer.
- Can be connected with computer, used the image analysis software to analyzing the physical and chemical properties of the material.

**SPECIFICATIONS: -**

Model No.	VH-10A/B	VH-30A/B	VH-50A/B
Switch Type Of Objective lens and Indenter	A for Automatic Turret, B for Manual Turret		
Testing Force	500g (4.9N), 1kg (9.8N), 2kg, 3kg (29.4N), 5kg (49N), 10kg (98N),	0.5 kg, 1kg, 3kg, 5kg (49N), 10kg (98N), 20kg (196N), 30kg (294N),	1kg, 2kg, 3kg, 5kg, 10kg (98N), 20kg (196N), 30kg (294N), 50kg (490N)
Scale	HV0.5, HV1, HV2, HV3 HV5, HV10	HV1, HV2, HV3, HV5, HV10, HV20, Hv30	HV1, HV2, HV3, HV5, HV10, HV20, HV30, HV50
Min. Measuring Units	0.05 μ m		
Hardness Value Range	8HV-3000HV		
Hardness Value Of Reading	Digital LCD Screen		
Total Magnification of microscope	100X (For Observation), 200X (For Measurement), (Can be extended to 400X)		
Loading Method	Automatically (Load, dwell and unload the testing force)		
Dwell Time	1-99s		
Specimen Allowing Maximum Height	160mm		
Throat Depth	130mm		
Instrument Size	530*220*580mm (L*W*H)		
Instrument Weight	55 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		
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	Big/Medium/V-shape test table: 1pc
Power cable : 1pc	Instruction Book
Standard block of hardness : 2pc	

OPTIONAL ACCESSORIES

Image analysis software
 15X micrometer eyepiece
 40X objective lens
 Metallurgical structure equipment
 2.5X objective lens