

Vickers Hardness Testers

This Vickers hardness tester has a faster testing speed than other ordinary Vickers hardness testers. The hardness value can be displayed directly and need to enter the length of the diagonal. The objective lens and indenter can be shifted automatically after the finished focus. Loading, dwell and unloading the test force automatically. And the objective lens returns to the initial focus status, measuring directly.



HVHT-10AT/MT

Main Function & Features

- With Vickers hardness and Knoop hardness testing capabilities.
- Ensured the accuracy and repeatedly of the testing process.
- Testing method, testing power and duration time can be displayed directly on the LCD screen.
- The strength of the light source can be adjusted.
- In built printer to print the testing data.
- Can be connected with computer. • With image analysis software to analyzing the physical and chemical proper ties of the material.

TECHNICAL SPECIFICATIONS

Model No.	HVHT-50AT	HVHT-50MT
Switch Type of Objective	Auto Turret	Manual Turret
Testing Force	500g (4.9N), 1kg (9.8N) 2kg(19.6N), 3kg (29.4N) 5kg (49N), 10kg (98N), 20kg(196N), 30kg(294N), 50kg(490N)	
Scale	HVO.5, 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 upto 400x)	
Loading Method	Automatically (Load, dwell and unload the testing force)	
Dwell Time	1-99s	
Specimen Allowing	160mm	
Maximum Height Throat Depth	130mm	
Instrument Weight	55 kg	
Size	530 x 220 x 580 mm	
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

15X micrometer eyepiece,	2.5X objective lens,
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