



# MICRO HARDNESS TESTER

## **AUTO TURRENT MICRO HARDNESS TESTER (VH-1000Z)**

Micro hardness tester with the features of elegant appearance, high precision stable performance and easy operation. It is the Micro hardness tester which with the lowest price in the market. Stable performance and easy operation

## **MANUAL TURRENT MICRO HARDNESS TESTER (VH-1000)**

Micro hardness with the features of elegant appearance, high precision, stable performance and easy operation. It is the Micro hardness tester which with the lowest price in the market.

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



## **VH-1000Z/VH-1000**

### **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).
- By measuring the indentation diagonal length, the hardness will show on the screen directly, no need to check hardness table.
- One-time casting aluminum molding shell ensure structure more stable; Adopted car painting technology, pure white color looking more decent; High scratch resistance capability, used for years still brightness like new.
- The optical system designed by our senior optical engineer not only meet the definition of hardness testing requirements, but also can observe the micro structure of the material, image is very clear.

**SPECIFICATIONS: -**

MODEL	VH-1000Z	VH-1000
Switch type of objective lens and indenter	Auto Turret	Manual Turret
Hardness conversion scale	HRA, HRB, HRC, HK, HBS, H15N, H30N, H45N, H15T, H30T, H45T	
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)	
Scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1	
Min. Measuring Unit	0.25µm	
Hardness Value Rang	1HV-4000HV	
Hardness Value of Reading	Digital LCD Screen	
Total Magnification of	400x For Measurement	
Loading Method	Automatically (Load, dwell and unload)	
Duration Time	1-99s	
Maximum Height	200mm	
Throat Depth	159mm	
Instrument Size	560×186×635mm (L×W×H)	
Net Weight	43kg	
Light Source	LED Cold light source (can be continuous use for 24 hours, no heat generated servicing life can reach 100,000 hours)	
Power supply	220V + 5%, 50/60 hz (110V is available)	

**Standard Accessories**

- 10X Micrometer eyepiece : 1p
- Vickers indenter : 1pc
- Power cable : 1pc
- 40X Objective lens : 1pc
- X-Y testing table : 1pc
- Manual Book : 1 pc

**Optional Accessories**

- Image analysis software
- Knoop Indenter
- 15X micrometer eyepiece
- Metallurgical structure equipment
- Knoop hardness block