

# LiBaShi®

## HARDNESS TESTER

### Small load Vickers Hardness Meter Selection Table :

Main functions	HV-55A	HV-55PA	HV-55PTA	HV-5TPTA
Print function	—	•	•	•
Automatic turret	—	—	•	•
Digital direct reading	•	•	•	•
Large Touch Screen	—	—	—	•
No friction spindle	•	•	•	•
Precision coordinate test	•	•	•	•
Language interface conversion	Chinese/English	Chinese/English	Chinese/English	12 languages
Load control: Automatic (load/keep/unload)	•	•	•	•
Optional Knoop indenter	•	•	•	•
Optional CCD camera and image processing system	•	•	•	•
Accuracy compliance: GB/T4340.2SO6507-2ASTM E384	•	•	•	•
<b>Main technical parameters</b>				
Range of hardness measurements	5-3000HV			
Force (N)	1.961, 2.942, 4.903, 9.807, 19.61, 24.52, 29.42, 49.3			
Force (gf)	0.2,0.3,0.5,1,2,2.5,3,5			
Hardness scale	HV0.2, HV0.3, HV0.5, HV1, HV2, HV3, HV5, HV5			
Keep Time	1-60S			
Total magnification	200x,400x			
Test mode	HV/HK			
Objective	observing, measuring			
Scope of measurement	0-200µm			
Resolution	0.025µm			
XY coordinate test bench size	100x100mm			
XY coordinate test table itinerary	25x25mm			
Maximum height of specimen	110mm			
Depth of Throat	130mm			
Power supply	AC220V/50Hz			
Dimensions	500×330×660mm			
Weight	55kg			

Manufacturer : LaiZhou WeiYi Experimental Machinery Manufacture Co.,Ltd

Agent :

ON THE SCIENCE

DEDICATED TO THE STUDY MATERIALS

# LiBaShi®

## HARDNESS TESTER



Small load Vickers  
Hardness Series

LAIZHOU • WEIYI MADE

PATENTED PRODUCT



**24-hour  
7-day precision  
testing**



### Fully functional to meet any laboratory needs

- Automatic turret with high precision machinery allows fast and quiet positioning. It can be switched automatically between the press head and objective lens during the automatic test cycle.
- To provide three turret bits, you can choose the appropriate magnification according to the application.
- long working distance objective lens, which minimizes the risk of collision with the specimen, thereby reducing downtime and maintenance costs.

### Optimal optical measurement systems ensure accurate measurement results

- In order to complete the perfect test, in addition to having a precise force value loading and unloading system, excellent indentation measurement system is also essential.
- micro-vickers hardness tester is equipped with high-quality optical systems that provide excellent image quality and thus ensure accurate measurements.



### Creating Advanced Functions for Leading Industries

- The increasingly stringent quality standards of modern industrial and technological research and development, as well as progressive heat treatment processes, require that hardness testing systems be durable enough while maintaining precise control over the generation of critical test data. Hardness testing systems must be easy to use and flexible and broad enough to meet the needs of more users.
- With the most professional technical team in the industry, with a wealth of knowledge and experience, design, production, testing, manufacturing are completed by Laizhou Weiyi Company, thus ensuring the stability of the whole system.
- It has excellent performance, good accuracy and stability, and is easy to operate. With the help of intelligent software, a large number of tests and measurements can be completed in a short period of time, which can effectively improve work efficiency.

### Access to independent intellectual property protection :

- Patent for Analysis of Hardness Results
- Software copyright
- Operating interface and icon appearance patent