

MHVS-5AT

MHVS-10AT

MHVS-30AT

MHVS-50AT

Digital Vickers Hardness Tester



Product characteristics

- High precision step-controlled electric loading technology, the main test force loading speed is very fast and efficiency is improved.
- New mechanical structure design, strong frame structure
- Real-time measurement, better effect, more accurate and more stable
- The data of operation process and test results can be displayed on the screen.
- The light source can be measured by adjusting the screen.
- Measuring indentation is more stable
- Automatic Conversion of Pressure Head and Object Lens

- Can preset the test force guarantee time
- The experimental data can be output by printer.

Characteristic of Control System

- High Precision Step Control Electric Loading Technology
- Ultra-high test force accuracy: test force loading and retaining accuracy reaches 10,000 grades
- The loading speed of the main test force is very fast and the efficiency is improved.
- High Precision Sensor Cooperating with Control System
- The Unique Value Curve
- Loading and unloading speed is faster and more accurate
- The remote control can be realized and the operation is simple.
- Extremely Fast Loading Speed: Loading Time of Test Force 2-6 seconds
- Intelligent control of the whole process. Sectional force application, smooth speed change, high precision and high speed step control, etc.

Technical parameter

Model	MHVS-5AT		MHVS-10AT		MHVS-30AT		MHVS-50AT	
Test force (kgf)	0.2、0.3、0.5、1、2、3、5		0.3、0.5、1、2、3、5、10		0.5、1、2、3、5、10、20、30		1、2、3、5、10、20、30、50	
Loading method	Automatic loading and unloading							
Test Force Switching	Automatic							
Language selection	Chinese, English							
Duration time	5-60s							
Indenter and Object Lens Switching	manual	automatic	manual	automatic	manual	automatic	manual	automatic
Testable parameters	HV\HK							
Objective lense	10X、20X							
Digital Encoder Micrometer Eyepiece	10X							
Maximum measuring length	400 μ m							
Minimum	0.1 μ m							

graduation	
Maximum height of sample	100mm
Maximum depth of sample	100mm
Hardness Conversion	HRA、HRB、HRC、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T、HK、HBW
Touch screen operation panel	Force Curve, Options, Database, Control, Loading Start, Lighting Adjustment, Object Switching
Value Display	D1, D2 value, HV indication, hardness value, conversion value, shelf life, test times
light source	5V/3W
communication interface	RS 232
Executive standard	JJG151-2006, GB/T 4340, ISO/DIN6507, ASTM E-384
Power supply	AC90-240V, 50-60Hz
Shape size	510*180*550mm
Machine net weight	About 45kg