

Low Load Vickers Hardness Tester HV-10



- New hi-tech product integrating precision mechanical and photoelectrical technologies
- The following highlight some key features and functions of this tester:
 - Micro computer control
 - Adjustment of lighting source via soft keys
 - Adjustment of pressure holding time and LED display
 - Unique measurement conversion device and unique micro eyepiece one-time measurement readout device, ensuring easy use and high accuracy
 - Camera for indentation photographing and metallography
- The tester is specially designed for testing minute, thin samples or parts after surface coating

Specifications

Test Load	9.8N (1.0kgf) 49N (5.0kgf) 98N (10.0kgf) 196N (20.0kgf) 294N (30.0kgf) 490N (50.0kgf)
Loading mechanism	Automatic loading and releasing method
Load applying speed	0.16-0.19mm/sec
Dwell time	5-60 sec
Magnification of microscope	Measuring:200x (objective 20x, Eyepiece 10x) Observation:100x (objective 20x, Eyepiece 10x)
Max.measuring length	0.25mm
Min.measuring unit	0.5μm
Max. height of Sample	160mm
Max. depth of Sample	135mm
Test range	8HV0.3-2500HV10
Brightness of indentation	Provided
Hardness conversion	No
Printer	No
Electricity loss protection device	No
Computer communication	No
Contour size	650×540×270mm
Weight	35kg
Power supply	AC220V/110V±10% 50Hz/60Hz

Standard delivery

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|-------------------------------------|--------|----------|---|
| • Vickers indenter | 1 | • Weight | 3 |
| • Power cable | 1 | • Lamp | 2 |
| • Certificate | 1 | • Manual | 1 |
| • Test table (big, medium, small) | 1 each | | |
| • Horizontal regulating screw | 4 | | |
| • Vickers test block (high, medium) | 1 each | | |
| • Measuring microscope | 1 | | |
| • Object lens 10X, 25X | 1 each | | |

Optional accessories

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| • Cylindrical test table | • X-Y plotter |
| • Gradienter | • Knoop indenter |
| • Digital camera | • Shutter line |
| • Magazine | • Photographic eye piece |
| • Fine specimen measuring test table | |
| • Main body of photographic instrument linker | |
| • Special single page magazine | |