

Digital Vickers Hardness Tester

This digital Vickers hardness tester employs precise mechanical and photoelectrical technology. It is especially suitable for testing the hardness of small, thin, and fragile material specimens.



Product Overview

Precision Hardness Testing

This Digital Vickers Hardness Tester is a precision instrument designed for accurate and repeatable hardness testing using the Vickers method. It features a digital display for easy reading, a built-in measuring microscope, and a precise automatic loading system. Suitable for metals, ceramics, and composites, it is an essential tool for quality control, materials research, and failure analysis.

Technical Specifications

Model Specifications

| Feature | TH720 | TH721 |
|-------------|---|---|
| Force (N) | 4.903, 9.807, 19.61, 24.52, 29.42, 49.03, 98.07, 196.1, 294.2 | 9.807, 19.61, 24.52, 29.42, 49.03, 98.07, 196.1, 294.2, 490.3 |
| Force (KGF) | 0.5, 1, 2, 2.5, 3, 5, 10, 20, 30 | 1, 2, 2.5, 3, 5, 10, 20, 30, 50 |

Testing Capabilities

2967 HV

Max Testing Field

60 s

Max Dwell Time

0.125 μ m

Min Graduation

Physical Dimensions

Specimen Capacity

180 mm

Max Height

130 mm

Max Width

Machine Dimensions

530 x 225 x 630 mm

Operational Features

| | |
|--------------------------|-------------------------------------|
| Carriage Control | Automatic (Loading/Dwell/Uploading) |
| Microscope Magnification | 100x, 200x |
| Power Supply | 110V/220V, 60/50Hz |

Included Accessories

Standard Delivery Items

- Largest testing table
- 1 CCD measuring device
- V shape testing table
- Knoop indenter (for TH720)
- Screw drivers (2)
- Horizontal regulating screws (4)
- Level
- Power cable
- 10x digital micro lens
- Vickers hardness blocks (2)
- Repair fuses 1A (2)
- TIME certificate
- Warranty card
- Instruction manual