

# 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  $\mu$ 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