

## Micro Vickers Hardness Tester TH710



### Product Information

#### Product Features

- info:**•New high-tech product integrating mechanical and photoelectrical technologies
- Equipped with a digital microscope,direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
  - Camera device can be connected via RS232 interface
  - Especially suitable for testing the hardness of micro and thin specimen, fragile material
  - By means of a 10 X objective and a 40 X objective, the tester has wide measurement and high accuracy
  - Optional Knoop indenter can be used to measure Knoop hardness value

#### Technical specification

Test Forces	(0.098, 0.246, 0.49, 0.98, 1.96, 2.94, 4.90, 9.80) N (10, 25, 50, 100, 200, 300, 500, 1000) gf
Carriage Control: automatic	loading /dwell/loading
Amplification of the Microscope	100 ×, 400 ×
Dwell Time of the Test Force	(5-60)s
Min. Graduation Value of the Testing Drum Wheel	0.0625um
Testing Field	1HV—2967HV
Dimension of the XY Table	100 × 100 mm
Movement Field of the XY Table	25 × 25mm
Max. height of the specimen	70 mm
Max. width of the specimen	95mm
Light source	cold light source
Power supply	110V/220V,60/50Hz
Dimension	425 × 245 × 490mm

**Standard delivery**

TH710 main unit 1  
Weights 6  
Weight Shaft 1  
Cross testing table 1  
Platelet fixture 1  
Plane-holding fixture 1  
Filament fixture 1  
Screw drivers 2  
Horizontal regulation screws 4  
Level 1  
Power cord 1  
10 X numerical microscope 1  
Vickers hardness blocks 2  
Repair fuses (1A) 2  
TIME Certificate 1  
Warranty Card 1  
Instruction Manual 1

**Optional accessory**

Knoop indenter  
LCD device  
Grinding machine  
Cutting machine  
Mosaic machine

## Digital Vickers hardness tester TH720/TH721



### Product Information

#### Product Features

**Product info:**•New high-tech product integrating mechanical and photoelectrical technologies

- Equipped with a digital microscope,direct display of the measuring method, test force, indentation length, hardness value, dwell time of test force
- Camera device can be connected via RS232 interface
- Especially suitable for testing the hardness of micro and thin specimen, fragile material
- Optional Knoop indenter can be used to measure Knoop hardness value
- By means of closed-circuit system for control, CPU control testing force to load; dwell and unload, the sensor feedback information, therefore the lost of the testing force can be automatically compensated during testing for high accuracy

#### Technical specification

Type		TH720	TH721
Testing 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
	KGF	0.5, 1, 2, 2.5, 3, 5, 10, 20, 30	1, 2, 2.5, 3, 5, 10, 20, 30, 50
Carriage Control		Automatic (loading/dwell /unloading)	
dwell Time		(0~60) s	
Amplification of the microscope		100×、400×	100×、200×
Min. graduation value of the test drum wheel		0.0625um	0.125um
Testing field		1HV~2967HV	
Lens/Indenter switch		with hand turret	
Max. Height of the specimen		170mm	
Max. Width specimen		130mm	
Light source		Cold light source	
Power		110V/220V, 60/50HZ	
Dimension		535× 225 × 580	

**Standard delivery**

Large test table 1  
 "V" shape test table 1  
 Screw drivers 2  
 Horizontal regulation screws 4  
 Level 1  
 Power cord 1  
 10 X digital microscope 1  
 Vickers hardness blocks 2  
 Repair fuses (1A) 2  
 TIME Certificate 1  
 Warranty Card 1  
 Instruction Manual 1

**Optional accessories**

LCD device  
 Knoop indenter

**MODEL : TH711 , TH712, TH713, TH714, TH715,  
 TH716, TH717 ALSO AVAILABLE**