

# Digital Micro Vickers Hardness Tester TH720/721



ISO 9001



## Features:

New high-tech product integrating mechanical and photo-electrical 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

Model		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		0.0625μm	0.125μm
Testing field		1HV~2967HV	
Lens/Indenter switch		with hand turret	
Max. Height of the specimen		170mm	
Max. Width specimen of the specimen		130mm	
Light source		Cold light source	
Power		110V/220V, 60/50HZ	
Dimensions (mm)		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 × digital microscope	1
Vickers hardness blocks	2
Repair fuses (1A)	2
Instruction manual	1
TIME certificate	1
Warranty card	1

## Optional Accessory

LCD device
Knoop indenter (for TH720)