

TH720M/TH720A Digital Micro Vickers Hardness Tester



Main Feature

- ⇒ Especially for testing the hardness of small thin and fragile material specimen
- ⇒ Test Force from 0.5kgf to 30kgf
- ⇒ Suitable for ferrous metal, non-ferrous metal, IC thin sections, coatings, ply-metal, glass, ceramics.
- ⇒ Shows measuring method, test force, diagonal length of indentation, hardness values, dwell time, measurement times at the same time equipped with a digital microscope.
- ⇒ Closed-loop control system
- ⇒ 10X lens and 20X lens equipped
- ⇒ Conform to GB/T4340, ISO6507, JIS B7725, ASTM E92 standards
- ⇒ CCD measuring device optional
- ⇒ Knoop indenter optional



Specifications

Model		TH721M	TH721A
Test Force	kgf	0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf, 50kgf	
	N	4.9N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N, 490N	
Test Range		1HV~2967HV	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Shifting between Objective and Indenter		Manual Shifting	Automatic Shifting
Objective		10 [×] (Measure) , 20 [×] (Observe)	
Eyepiece		10 [×] Reading Microscope	
Total Magnification		100 [×] , 200 [×]	
Resolution		1 μ m	
Dwell Time		0~60s	
Light Source		Halogen Lamp	
Max. Height of Specimen		185mm	
Throat		130mm	
Power Supply		AC220V, 50Hz	
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2	
Dimension		530×280×630mm, Packing Dimension: 620×450×740mm	
Weight		Net Weight: 35kg, Gross Weight: 47kg	

**Standard Delivery**

Name	Qty	Name	Qty
Instrument Main Body	1 set	10× Reading Microscope	1 pc
Diamond Vickers Indenter	1 pc	10×, 20× Objective	each 1 pc
Big Plane Test Table	1 pc	V-shaped Test Table	1 pc
Power Cable	1 pc	Level	1 pc
Horizontal Regulating Screw	4 pcs	Halogen Lamp 12V、15~20W	1 pc
Fuse 1A	2 pcs	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 400~500 HV5	1 pc
Hardness Block 700~800 HV30	1 pc	Anti-dust Cover	1 pc
Usage Instruction Manual	1 pc		