

TH710/TH711 Digital Micro Vickers Hardness Tester



Main Feature

- ⇒ 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.
- ⇒ Automatic loading and unloading technique
- ⇒ 20X lens and 40X lens equipped
- ⇒ Conform to GB/T4340, ISO6507, JIS B7725, ASTM E92 standards

Specifications

Model		TH710	TH711
Test Force	gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf	
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N	
Test Range		1HV~2967HV	
Hardness Resolution		0.1HV	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Shifting between Objective and Indenter		Manual Shifting	Automatic Shifting
Conversion Scale		HK, HRA, HRBW, HRC, HRD, HRGW, HRKW, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HBW	



Objective	10 [×] (Observe), 40 [×] (Measure)
Eyepiece	10 [×] Digital Measuring Microscope
Total Magnification	100 [×] , 400 [×]
Min. Measuring Unit	0.0625μm
Dwell Time	0~60s
Light Source	Halogen Lamp
X-Y Test Table	Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm
Max. Height of Specimen	90mm
Throat	100mm
Power Supply	AC220V, 50Hz
Execute Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2
Dimension	480×325×545mm, Packing Dimension: 600×360×800mm
Weight	Net Weight: 31kg, Gross Weight: 44kg

Standard Delivery

Item	Qty	Name	Qty
TH710 or TH711 host	1 set	10 [×] Reading Microscope	1 pc
Diamond Micro Vickers Indenter	1 pc	10 [×] 、40 [×] Objective	each 1 pc
Weights	6 pcs	Weight Axis	1 pc
Cross Test Table	1 pc	Flat Clamping Test Table	1 pc
Thin Specimen Test Table	1 pc	Filament Clamping Test Table	1 pc
Horizontal Regulating Screw	4 pcs	Level	1 pc
Fuse 1A	2 pcs	Halogen Lamp 12V、15~20W	1 pc
Power Cable	1 pc	Screw Driver	2 pcs
Hardness Block 400~500 HV0.2	1 pc	Hardness Block 700~800 HV1	1 pc
Anti-dust Cover	1 pc	Usage Instruction Manual	1 copy