



Features

TH710/TH711/713 Micro Vickers hardness tester adopts unique precision design of optics, mechanic and electronics features, make the indentation image clearer, and get more precise measurements. It can directly show the test mode, test force, dwell time, test numbers, conversion scale on the screen, only need to input the diagonal of the indentation when operation, it can automatically get the hardness value and show on the screen. It can use optional Knoop indenter to measure Knoop hardness. And it can be equipped with CCD image automatic measuring system.

TH713: With digital measuring eyepiece, no need for checking the table or inputting the diagonal of the indentation. As long as press the eyepiece button after measuring the indentation length, it can automatically get the hardness value and show on the screen. Test results can be printed out by the built-in printer, and with RS232 interface for connecting to the computer.

TH710/711/713

MICRO VICKERS
HARDNESS TESTER

Standard Delivery

●Main unit	1 pc
●Diamond Micro Vickers Indenter	1 pc
●10× Reading Microscope	1 pc
●10×, 40× Objective	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 pc

Technical Specification

Model	TH710	TH711	TH713
Test Force	0.098N(10gf), 0.246N(25gf), 0.49N(50gf), 0.98N(100gf), 1.96N(200gf), 2.94N(300gf), 4.90N(500gf), 9.80N(1000gf)		
Test Range	1HV~2967HV		
Test Mode	HV/HK		
Loading Method	Automatic (Loading/Dwell/Unloading)		
Conversion Scale	HK, HRA, HRBW, HRC, HRD, HRGW, HRWK, HR15N, HR30N, HR45N, HR15TW, HR30TW, HR45TW, HBW		
Shifting between Objective and Indenter	Manual	Automatic	
Total Magnification	100×, 400×		
Resolution	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	AC 220-240V, 50Hz		
Execute Standard	ISO 6507, ASTM E384, JIS Z2244, GB/T 4340.2		
Dimension	480×325×545mm Packing Dimension: 600×360×800mm		
Weight (kg)	Net Weight: 31	Gross Weight: 44	