



Features

TH715 Digital Micro Vickers hardness tester adopts unique precision design of optics, mechanic and electric features, make the indentation image clearer, and get more precise measurements. With digital measuring eyepiece, no need for checking the table or inputting the diagonal of the indentation, it can directly shows the test mode, test force, indentation length, dwell time, test numbers, conversion scale, date and time. As long as press the eyepiece button after measuring the indentation length, it can automatically get the hardness value and show on the large screen. Test results can be saved for checking or be printed out by the built-in printer, and with RS232 interface for connecting to the computer. It can use optional Knoop indenter to measure Knoop hardness. Also it can be equipped with LCD video measuring device and CCD image automatic measuring system.

TH715

DIGITAL MICRO VICKERS
HARDNESS TESTER

Application Range

Suitable for ferrous metal, non-ferrous metals, IC thin sections, coatings, ply-metals; glass, ceramics, agate, precious stones, thin plastic sections etc.; hardness testing such as that on the depth and the trapezium of the carbonized layers and quench hardened layers.

Standard Delivery

●Main unit	1	●Weights	6
●Diamond Micro Vickers Indenter	1	●Weight Axis	1
●10× Digital Measuring Eyepiece	1	●10×, 40× Objective	1
●Hardness Block 400~500 HV0.2	1	●Fuse 1A	2
●Hardness Block 700~800 HV1	1	●Power Cable	1
●Horizontal Regulating Screw	4	●Screw Driver	2
●Cross Test Table	1	●Level	1
●Flat Clamping Test Table	1	●Anti-dust Cover	1
●Thin Specimen Test Table	1	●Halogen Lamp	
●Filament Clamping Test Table	1	12V, 15~20W	1
●Usage Instruction Manual	1		

Technical Specification

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, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HB
Data Output	Built-in Printer, RS232 Interface
Shifting between Objective and Indenter	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	100mm
Throat	98mm
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 (kg)	Net Weight: 31 Gross Weight: 44