



## Features

TH721/TH721Z Vickers hardness tester is a high-tech and new product combining the optics, mechanic and electric features. It adopts load cell control system, improves the precision of the test force and the repeatability and stability of the indicating value. It can show the test force, dwell time, test numbers on the screen, only need to input the diagonal of the indentation when operation, it can automatically get the hardness value and shows on the screen. It can be equipped with CCD image automatic measuring system.

# TH721/721Z

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

## Technical Specification

Model	TH721	TH721Z
Test Force	9.80N(1kgf), 19.6N(2kgf), 24.5N(2.5kgf), 29.4N(3kgf), 49N(5kgf), 98N(10kgf), 196N(20kgf), 294N(30kgf), 490N(50kgf)	
Test Range	1HV~2967HV	
Loading Method	Automatic (Loading/Dwell/Unloading)	
Shifting between Objective and Indenter	Manual	Automatic
Total Magnification	100×, 200×	
Resolution	1μm	
Dwell Time	0~60s	
Light Source	Halogen Lamp	
Max. Height of Specimen	170mm	
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 (kg)	Net Weight: 35	Gross Weight: 47