

**Digital Vickers Hardness Tester iVick-483ST3**

iVick-483ST3 Vickers hardness tester adopts the integrated design of hardness tester and tablet computer; With Windows 7 operating system, and has all functions of computer.

iVick-483ST3 equips with CCD image acquisition system, it can show the indentation directly on the touch screen and automatically get the Vickers hardness value.

iVick-483ST3 replaces old method of measuring the diagonal length by eyepiece, avoids the stimulation and visual fatigue of the light source of the eyepiece, and protects the eyesight of the operator.

**Main Features:**

- All the testing parameters can be set on the side tablet computer.
- Touch screen makes operation quickly and convenient.
- CCD image acquisition system can show the image clearly and gets the hardness value just by touching the screen.
- Automatically recognize and switch between the objective and the indenter, automatically get the Vickers hardness value.
- Support hardness conversion function.
- With USB, VGA and LAN interfaces, the hardness measurement can be print out by USB interface.
- It can automatically save the measuring data, generate the hardness-depth curve and save as WORD or EXCEL document.
- With motorized X-Y test table and automatic measuring to realize the fully automation of Vickers hardness testing.

**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.

**Technical Specification:**

Test Force	Kgf, N
iVick-483ST3	0.2kgf, 0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf 1.96N, 2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N
iVick-484ST3	0.2kgf, 0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf 1.96N, 2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N
iVick-485ST3	0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf 2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N
iVick-486ST3	0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf, 50kgf 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N, 490N
Test Range	1HV~2967HV
Loading Method	Automatic (Loading/Dwell/Unloading)
Turret	Automatic Turret
Focus	Automatic Focus
Computer	CPU: Intel I3, Memory: 2G, SSD: 32G
CCD Pixel	1.30 Million
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HBW
Hardness Reading	Indentation Displaying and Automatic Measuring on Touch Screen
Data Output	WORD or EXCEL Report with Curve Chart
Objective	10x, 20x, 40x
Total Magnification	100x, 200x, 400x
Resolution	0.06μm, 0.03μm, 0.015μm
Dwell Time	0~60s
Light Source	Halogen Lamp
Motorized X-Y Anvil	Size: 110×110mm; Travel: 50×50mm; Resolution: 0.002mm
Max. Height of Specimen	185mm
Throat	130mm
Power Supply	AC220V/50Hz/1Ph, AC110V/60Hz/1Ph
Execute Standard	ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2
Dimension	560×335×675mm, Packing Dimension: 650×380×960mm
Weight	Net Weight: 52kg, Gross Weight: 67kg

**Packing List:**

Name	Qty	Name	Qty
Instrument Main Body	1 set	Diamond Vickers Indenter	1 pc
10x, 20x, 40x Objective	each 1 pc	Motorized Cross Test Table	1 pc
Power Cable	1 pc	Horizontal Regulating Screw	4 pcs
Level	1 pc	Fuse 1A	2 pcs
Halogen Lamp 12V/15~20W	1 pc	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 700~800 HV1	1 pc
Hardness Block 400~500 HV5	1 pc	Anti-dust Cover	1 pc
Usage Instruction Manual	1 copy		