

Vickers Hardness Tester iVick-475H



iVick-475H

iVick-475H Vickers hardness tester 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, and automatically get the hardness value and shows on the screen. Available to install CCD image automatic measuring system.

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:

Model	iVick-471H	iVick-471M	iVick-475H	iVick-475HP	iVick-475MP
Test Force	kgf	0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf			
	N	2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N			
Test Range	1HV~2967HV				
Loading Method	Automatic (Loading/Dwell/Unloading)				
Turret Type	Manual	Automatic	Manual	Manual	Automatic
Printing	Without Printer			Built-in Printer	
Hardness Reading	Manually Input diagonal		Automatic Display Hardness Value		
Objective	20X (Observe), 40X (Measure)				
Eyepiece	10X analog Eyepiece		10X Digital Eyepiece		
Total Magnification	200X, 400X				
Dwell Time	0~60s Adjustable				
Light Source	Halogen Lamp				
X-Y Test Table	Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm				
Vertical Space	Max. Height of Specimen 170mm				
Throat	130mm				
Power Supply	AC220V/50Hz/1Ph				
Execute Standard	ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2				
Dimension	530×280×630mm, Packing Dimension: 620×450×740mm				
Weight	Net Weight: 35kg, Gross Weight: 47kg				

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10x Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	20x, 40x Objective	each 1 pc
X-Y Test Anvil	1 pc	Power Cable	1 pc
Horizontal Regulating Screw	4 pcs	Hardness Block 700~800 HV1	1 pc
Hardness Block 400~500 HV5	1 pc	Halogen Lamp 12V/15~20W	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Screw Driver	1 pc

Vickers Hardness Tester iVick-476H



iVick-476H

iVick-476H Vickers hardness tester 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. Available to install optional CCD image automatic measuring system.

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:

Model	iVick-472H	iVick-472M	iVick-476H	iVick-476HP	iVick-476MP
Test Force	kgf	0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf			
	N	2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N			
Test Range	1HV~2967HV				
Loading Method	Automatic (Loading/Dwell/Unloading)				
Turret Type	Manual	Automatic	Manual	Manual	Automatic
Printing	Without Printer			Built-in Mini Printer	
Hardness Reading	Manually Input diagonal		Automatic Display Hardness Value		
Objective	10x (Observe), 20x (Measure)				
Eyepiece	10X analog Eyepiece		10X Digital Eyepiece		
Total Magnification	100X, 200X				
Dwell Time	0~60s Adjustable				
Light Source	Halogen Lamp				
X-Y Test Table	Size: 100×100mm; Travel: 25×25mm; Resolution: 0.01mm				
Vertical Space	Max. Height of Specimen 170mm				
Throat	130mm				
Power Supply	AC220V/50Hz/1Ph				
Execute Standard	ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2				
Dimension	530×280×630mm, Packing Dimension: 620×450×740mm				
Weight	Net Weight: 35kg, Gross Weight: 47kg				

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10X Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 20x Objective	each 1 pc
X-Y Test Anvil	1 pc	Power Cable	1 pc
Horizontal Regulating Screw	4 pcs	Hardness Block 700~800 HV1	1 pc
Hardness Block 700~800 HV10	2 pcs	Halogen Lamp 12V, 15~20W	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Screw Driver	1 pc

Vickers Hardness Tester iVick-477H



iVick-477H

iVick-477H adopts load cell control system, improves the precision of the test force and the repeatability and stability of the indicating value.

With digital measuring eyepiece, can directly show the test force, indentation length, dwell time, test numbers, conversion scale, date and time on LCD.

Available to install optional LCD video measuring device and CCD image automatic measuring system.

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:

Model		iVick-473H	iVick-473M	iVick-477H	iVick-477HP	iVick-477MP
Test Force	kgf	0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf				
	N	4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N				
Test Range		1HV~2967HV				
Loading Method		Automatic (Loading/Dwell/Unloading)				
Turret		Manual Turret	Automatic Turret	Manual Turret	Manual Turret	Automatic Turret
Printing		Without Printer			Built-in Mini Printer	
Objective		10x, 20x				
Eyepiece		10X analog Eyepiece		10X Digital Eyepiece		
Total		100x, 200x				
Dwell Time		0~60s				
Light Source		Halogen Lamp				
Vertical Space		Max. Height of Specimen 170mm				
Throat		130mm				
Power Supply		AC220V/50Hz/1Ph, AC110V/60Hz/1Ph				
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2				
Dimension		530×280×630mm, Packing Dimension:620×450×740mm				
Weight		Net Weight: 35kg, Gross Weight: 47kg				

Packing List:

Instrument Main Body	1 set	10×Digital Measuring Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 20x Objective	each 1 pc
Round Test Table	1 pc	V-shaped Test Table	1 pc
Power Cable	1 pc	Level	1 pc
Horizontal Regulating Screw	4 pcs	Halogen Lamp12V/15~20W	1 pc
Fuse1A	2 pcs	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 400~500 HV5	1 pc
Hardness Block 700~800 HV30	1 pc	Anti-dust Cover	1 pc

Vickers Hardness Tester iVick-478H



iVick-478H

iVick-478H adopts load cell control system, improves the precision of the test force and the repeatability and stability of the indicating value.

With digital measuring eyepiece, can directly show the test force, indentation length, dwell time, test numbers, conversion scale, date and time on LCD.

Available to install optional LCD video measuring device and CCD image automatic measuring system.

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:

Model		iVick-474H	iVick-474M	iVick-478H	iVick-478HP	iVick-478MP
Test Force	kgf	1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf, 50kgf				
	N	9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N, 490N				
Test Range		1HV~2967HV				
Loading Method		Automatic (Loading/Dwell/Unloading)				
Turret		Manual Turret	Automatic Turret	Manual Turret	Manual Turret	Automatic Turret
Data Print		Without Printer			Built-in Mini Printer	
Objective		10x, 20x				
Eyepiece		10x Analog Eyepiece		10x Digital Eyepiece		
Magnification		100x, 200x				
Dwell Time		0~60s Adjustable				
Light Source		Halogen Lamp				
Vertical Space		Max. Height of Specimen 170mm				
Throat		130mm				
Power Supply		AC220V/50Hz/1Ph, AC110V/60Hz/1Ph				
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2				
Dimension		530x280x630mm, Packing Dimension:620x450x740mm				
Weight		Net Weight: 35kg, Gross Weight: 47kg				

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10x Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 20x Objective	each 1 pc
Round Test Table	1 pc	V-shaped Test Table	1 pc
Power Cable	1 pc	Level	1 pc
Horizontal Regulating Screw	4 pcs	Halogen Lamp12V、15~20W	1 pc
Hardness Block 700~800 HV30	2 pcs	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 400~500 HV5	1 pc

Large Screen Digital Vickers Hardness Tester iVick-479HC



Load cell force control system to improve loading accuracy;
 10x Digital Eyepiece to improve working efficiency;
 Large LCD Display to show loading force, indentation length, dwell time, hardness conversion.

With built-in printer and RS232 can transfer data to computer

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:

Model		iVick-479HC	iVick-479MC
Test Force	kgf	0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf	
	N	2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N	
Test Range		1HV~2967HV	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Turret		Manual Turret	Automatic Turret
Data Output		Built-in Printer, RS232 Interface	
Conversion Scale		HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HB	
Objective		20x, 40x	
Eyepiece		10x	
Total Magnification		200x, 400x	
Resolution		0.125 μ m, 0.0625 μ m	
Dwell Time		0~60s	
Light Source		Halogen Lamp	
X-Y Test Table		Size: 100 \times 100mm; Travel: 25 \times 25mm; Resolution: 0.01mm	
Max. Height of Specimen		170mm	
Throat		130mm	
Power Supply		AC220V/50Hz/1Ph	
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2	
Dimension		530 \times 280 \times 630mm, Packing Dimension: 620 \times 450 \times 740mm	
Weight		Net Weight: 35kg, Gross Weight: 47kg	

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10x Digital Measuring Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	20x, 40x Objective	each 1 pc
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
Inner Hexagon Spanner 2.5mm	1 pc	Screw Driver	1 pc
Hardness Block 700~800 HV1	1 pc	Hardness Block 400~500 HV5	1 pc
Anti-dust Cover	1 pc	Usage Instruction Manual	

Large Screen Digital Vickers Hardness Tester iVick-480HC



Load cell force control system to improve loading accuracy;
 10x Digital Eyepiece to improve working efficiency;
 Large LCD Display to show loading force, indentation length, dwell time, hardness conversion.

With built-in printer and RS232 can transfer data to computer

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:

Model		iVick-480HC	iVick-480MC
Test Force	kgf	0.3kgf, 0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf	
	N	2.94N, 4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N	
Test Range		1HV~2967HV	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Turret		Manual Turret	Automatic Turret
Data Output		Built-in Printer, RS232 Interface	
Conversion Scale		HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T,	
Objective		10x, 40x	
Eyepiece		10x	
Total Magnification		100x, 400x	
Resolution		0.25μm, 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		170mm	
Throat		130mm	
Power Supply		AC220V/50Hz/1Ph	
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2	
Dimension		530×280×630mm, Packing Dimension: 620×450×740mm	
Weight		Net Weight: 35kg, Gross Weight: 47kg	

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10x Digital Measuring Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 40x Objective	each 1 pc
Cross Test Table	1 pc	Power Cable	1 pc
Horizontal Regulating Screw	4 pcs	Level	1 pc
Fuse1A	2 pcs	Halogen Lamp12V, 15~20W	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Screw Driver	1 pc
Hardness Block 700~800 HV1	1 pc	Hardness Block 700~800 HV10	1 pc
Anti-dust Cover	1 pc	Usage Instruction Manual	1 copy

Large Screen Digital Vickers Hardness Tester iVick-481HC



Load cell force control system to improve loading accuracy;
 10x Digital Eyepiece to improve working efficiency;
 Large LCD Display to show loading force, indentation length, dwell time, hardness conversion.

With built-in printer and RS232 can transfer data to computer

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:

Model		iVick-481HC	iVick-481MC
Test Force	kgf	0.5kgf, 1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf	
	N	4.90N, 9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N	
Test Range		1HV~2967HV	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Turret		Manual Turret	Automatic Turret
Data Output		Built-in Printer, RS232 Interface	
Conversion Scale		HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T,	
Objective		10x, 20x	
Eyepiece		10x	
Total Magnification		100x, 200x	
Resolution		0.25μm, 0.125μm	
Dwell Time		0~60s	
Light Source		Halogen Lamp	
Max. Height of Specimen		170mm	
Throat		130mm	
Power Supply		AC220V/50Hz/1Ph	
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2	
Dimension		530×280×630mm, Packing Dimension: 620×450×740mm	
Weight		Net Weight: 35kg, Gross Weight: 47kg	

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10x Digital Measuring Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 20x Objective	each 1 pc
Big Plane Test Table	1 pc	V-shaped Test Table	1 pc
Power Cable	1 pc	Level	1 pc
Horizontal Regulating Screw	4 pcs	Halogen Lamp12V,15~20W	1 pc
Instruction Manual	1 copy	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 400~500 HV5	1 pc
Hardness Block 700~800 HV30	1 pc	Anti-dust Cover	1 pc

Large Screen Digital Vickers Hardness Tester iVick-482HC



Load cell force control system to improve loading accuracy;
 10x Digital Eyepiece to improve working efficiency;
 Large LCD Display to show loading force, indentation length, dwell time, hardness conversion.

With built-in printer and RS232 can transfer data to computer

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:

Model		iVick-482HC	iVick-482MC
Test Force	kgf	1kgf, 2kgf, 2.5kgf, 3kgf, 5kgf, 10kgf, 20kgf, 30kgf, 50kgf	
	N	9.80N, 19.6N, 24.5N, 29.4N, 49N, 98N, 196N, 294N, 490N	
Test Range		1HV~2967HV	
Loading Method		Automatic (Loading/Dwell/Unloading)	
Turret		Manual Turret	Automatic Turret
Data Output		Built-in Printer, RS232 Interface	
Conversion Scale		HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HS, HB	
Objective		10x, 20x	
Eyepiece		10x	
Total Magnification		100x, 200x	
Resolution		0.25μm, 0.125μm	
Dwell Time		0~60s	
Light Source		Halogen Lamp	
Max. Height of Specimen		170mm	
Throat		130mm	
Power Supply		AC220V/50Hz/1Ph	
Execute Standard		ISO 6507, ASTM E92, JIS Z2244, GB/T 4340.2	
Dimension		530×280×630mm, Packing Dimension: 620×450×740mm	
Weight		Net Weight: 35kg, Gross Weight: 47kg	

Packing List:

Name	Qty	Name	Qty
Instrument Main Body	1 set	10×Digital Measuring Eyepiece	1 pc
Diamond Vickers Indenter	1 pc	10x, 20x Objective	each 1 pc
Big Plane Test Table	1 pc	V-shaped Test Table	1 pc
Power Cable	1 pc	Level	1 pc
Horizontal Regulating Screw	4 pcs	Halogen Lamp12V,15~20W	1 pc
Instruction Manual	1 copy	Screw Driver	1 pc
Inner Hexagon Spanner 2.5mm	1 pc	Hardness Block 400~500 HV5	1 pc
Hardness Block 700~800 HV30	1 pc	Anti-dust Cover	1 pc