

Digital Rockwell Hardness Tester LHR5-150



Functions & Features

- Digital, multi-function LCD display
- Electric load; Automatic loading & unloading
- With printer for data output
- Rockwell Scales: HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HRL, HRM, HRR
- Conversion to Vickers, Brinell scales
- Shape correction settings for curved surfaces
- Automatic testing process without manual operating error;
- Meets or exceeds GB/T230.2, ISO 6508-2, ASTM E18 standards
- Optional Plastic Rockwell Accessories

Application

- Industrial production, Inspection of product quality on processing technology.
- Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

Technical Parameters

Model	LHRS-150
Indication of Hardness Value	Large LCD screen display
Data output	Built-in Printer, RS232
Duration time	0-60s
Carried Standard	GB/T230.2、ISO6508-2、ASTME18
Preliminary Testing force	10kgf(98.07N)
Testing force	60kgf(588N) 100kgf(980N) 150kgf(1471N)
Rockwell Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL,HRM,HRR
Hardness measuring range	HRA:20-88 HRB:20-100 HRC:20-70 HRD:40-77
	HRF:60-100 HRG:30-94 HRH:80-100 HRK:40-100
	HRL:50-115 HRM:50-115 HRR:50-115
Max Height of Specimen	170mm
Distance of Indenter to outer wall	165mm
Power supply	AC220V+5%, 50-60Hz
Overall Dimension (mm)	520*240*700
Net weight	About 80Kg

Standard Accessories

Name	Quantity	Name	Quantity
Diamond Rockwell Indenter	1	1.5875mm Ball Indenter	1
Hardness block (HRC , HRB 1)	3	Large, Medium, "V" shaped Testing Table	3
Weights (A、 B、 C)	3	Plastic Dustproof cover	1
Paper for printing	1	RS232 Cable	1
Operation Manual	1	Product Certificate	1

Optional Accessories of Plastic Rockwell

Name	Quantity	Name	Quantity
Rockwell Ball Indenter	1 set (3pcs)	Hardness block (HRE,HRL,HRM,HRR)	1 set (4pcs)

Tolerance and Repeatability of plastic Rockwell

Scale	Hardness Block Range	Tolerance	Repeatability(\cong)
HRE	70~94HRE	± 2.0 HRE	2.5HRE
HRL	100~120HRL	± 1.2 HRL	1.5HRL
HRM	85~110HRM	± 1.5 HRM	2.0HRM
HRR	114~125HRR	± 1.2 HRR	1.5HRR

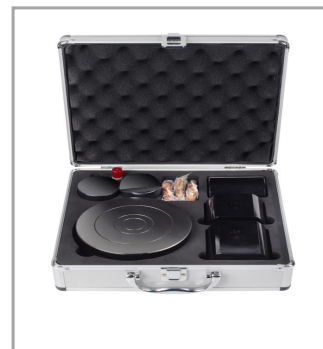
Application of Hardness Scale, Indenter, Testing force

Scale	Ball Indenter (diameter)	Initial Force (N)	Testing Force (N)
HRE	$\phi 3.175$ mm (1/8 inch)	98.07 (10kg)	980.7 (100kg)
HRL	$\phi 6.35$ mm (1/4 inch)		588.4 (60kg)
HRM	$\phi 6.35$ mm (1/4 inch)		980.7 (100kg)
HRR	$\phi 12.7$ mm (1/2inch)		588.4 (60kg)

Pictures



Integrated Cast Body
(No-welding)



LCD Display & Built-in Printer

Accessory Box

Manual Rockwell Hardness Tester LHR-150A (New)



Functions & Features

- Traditional weight system
- Dial display & Manual load
- Rockwell Scales: HRA, HRB, HRC
- Precision hydraulic load damper (loading speed is adjustable)
- Wide range of applications, easy to operate
- Meets or exceeds GB/T230.2, ISO 6508-2, ASTM E18 standards
- Accurate, reliable and durable.

Application

- Industrial production, Inspection of product quality on processing technology.
- Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

Technical Parameters

Model	LHR-150A
Indication of Hardness Value	Dial
Max Height of Specimen	170MM
Indication of Hardness Value	Dial display
Carried Standard	GB/T230.2 Chinese Standard, JJG112 Inspection Rule
Distance of Indenter to outer wall	165m
Preliminary Testing force	10kgf(98.07N)
Testing force	60kgf(588N) 100kgf(980N) 150kgf(1471N)
Rockwell Scale	HRA、HRB、HRC
Hardness measuring range	HRA:20-88 HRB:20-100 HRC:20-70
Overall Dimension (mm)	520*240*700
Net Weight	About 80Kg

Standard Accessories

Name	Quantity	Name	Quantity
Diamond Rockwell Indenter	1	1/16 Ball Indenter	1
Hardness block (HRC , HRB)	3	Large, Medium, "V" shaped Testing Table	1 each
1/16 Ball	6	Plastic Dustproof cover	1
Operation Manual	1	Product Certificate	1

Electric Rockwell Hardness Tester LHR-150DT (New)



Functions & Features

- Dial display & Electric load
- Rockwell Scales: HRA, HRB, HRC
- Automatic testing process without manual operating error;
- Wide range of applications, easy to operate
- Meets or exceeds GB/T230.2, ISO 6508-2, ASTM E18 standards
- Accurate, reliable, durable

Application

- Industrial production, Inspection of product quality on processing technology.
- Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

Technical Parameters

Model	LHR-150DT
Indication of Hardness Value	Dial
Max Height of Specimen	170MM
Indication of Hardness Value	Dial display
Carried Standard	GB/T230.2, ISO 6508-2, ASTM E18
Distance of Indenter to outer wall	165m
Preliminary Testing force	10kgf(98.07N)
Testing force	60kgf(588N) 100kgf(980N) 150kgf(1471N)
Rockwell Scale	HRA、HRB、HRC
Hardness measuring range	HRA:20-88 HRB:20-100 HRC:20-70
Power supply	AC220V+5%, 50-60Hz
Overall Dimension (mm)	520*240*700
Net Weight	About 80Kg

Standard Accessories

Name	Quantity	Name	Quantity
Diamond Rockwell Indenter	1	1/16 Ball Indenter	1
Hardness block (HRC , HRB)	3	Large, Medium, "V" shaped Testing Table	3
1/16 Ball	6	Plastic Dustproof cover	1
Operation Manual	1	Product Certificate	1
Power cable	1		

Digital Superficial Rockwell Hardness Tester LHRMS-45



Functions & Features

- Digital, multi-function LCD display
- Electric load; Automatic loading & unloading
- Easy operation, tiny indentation, high accuracy
- Superficial Rockwell Scales: HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
- With printer for data output
- Easy for hardness scales conversion
- Shape correction settings for curved surfaces
- Meets or exceeds GB/T230.2, ISO 6508-2, ASTM E18 standards

Application

- Industrial production, Inspection of product quality on processing technology.
- Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

Technical Parameters

Model	LHRMS-45
Conversion Scale	HRA、HRB、HRC、HRD、HRF、HV、HK、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Indication of Hardness Value	Large LCD screen display
Data output	Inside Printer
Duration time	0-60s
Carried Standard	GB/T230.2, ISO 6508-2, ASTM E18
Preliminary Testing force	3kgf(29.42N)
Testing force	15kgf(147.1N)30kgf(294.2N)45kgf(441.3N)
Rockwell Scale	HR15N HR30N HR45N HR15T HR30T HR45T
Hardness measuring range	HR15N: 0-98, HR30N: 0-97, HR45N: 0-95
	HR15T: 0-94, HR30T: 0-84, HR45T: 0-76
Max Height of Specimen	190mm
Distance of Indenter to outer wall	165mm
Power supply	AC220V+5%, 50-60Hz
Overall Dimension (mm)	520*240*720mm
Net weight	About 80Kg

Standard Accessories

Name	Quantity	Name	Quantity
Diamond Rockwell Indenter	1	1.5875mm Ball Indenter	1
Superficial Hardness block	3	Large, Medium, "V" shaped Testing Table	1 each
Weights (A、B、C)	1 each	Plastic Dustproof cover	1
Operation Manual	1	Product Certificate	1

LHB-3000A Electronic Brinell Hardness Tester



Functions & Features

- Closed loop sensor, the electronic automatic loading system.
- Ten levels testing forces.
- High precision, high repeatability and stability, easy operation.

Application Areas

Widly used in Industries: Metallurgy, Metrology, Building materials, Research Institutes, Hardening shops, Automotive, Railway, Energy, Steel, Aviation, Roller plants, Tube rolling mills, Foundries.

Application Materials

Cast Iron, Non-ferrous Metals and Alloys, various annealed/ quenched/ tempered Steels, especially for soft Metals such as pure Aluminum, Lead, Tin and so on.

Technical Parameters

Model	LHB-3000A
Measuring Range	8~650HBW
Brinell Scale	HBW2.5/62.5、HBW2.5/187.5、HBW5/62.5、HBW5/125、HBW5/250、HBW5/750、HBW10/100、HBW10/250、HBW10/500、HBW10/1000、HBW10/1500、HBW10/3000
Testing Force	62.5kgf(612.9N)、100kgf (980.7N)、125kgf (1226N)、187.5kgf (1839N)、250kgf (2452N)、500kgf (4903N)、750kgf (7355N)、1000kgf (9807N)、1500kgf (14710N)、3000kgf (29420N)
Max Height of Specimen	240mm
Min Measuring Unit	0.005mm
Duration time	5~60s
Magnification of Microscope	20X
Carried Standard	EN ISO 6506, ASTM E10, GB/T231.2, JJG150
Distance of Indenter to outer wall	145mm
Power supply	AC220+5%,50~60Hz
Overall Dimension (mm)	550*250*780mm
Main body Weight	About 140kg

Standard Accessories

Name	Quantity	Name	Quantity
Main Unit	1	Accessory Case	1
Measurement microscope (20X)	1	Diameter ϕ 2.5、 ϕ 5、 ϕ 10 mm Steel Ball Indenter	3
HBW/3000/10, HBW/1000/10, HBW/187.5/2.5	3	Large, Medium, "V" shaped Testing Table	3
Diameter fastening screw	1	2A Fuse	1
Power Cable	1	Dust proof covering	1
HB Reference table	1	Manual ,Certificate, Warranty card	1

LHB-3000D Digital Brinell Hardness Tester



Functions & Features

- Closed-loop sensor, electronic control system.
- With 10-level test force.
- Keyboard to select test method, and convert between various of hardness scales.
- The data of operation process and test result can be displayed on the LCD large screen.
- The data of the test result can be output by the printer.
- With built-in printer. Manual Turret.

Application Areas

Widly used in Industries: Metallurgy, Metrology, Building materials, Research Institutes, Hardening shops, Automotive, Railway, Energy, Steel, Aviation, Roller plants, Tube rolling mills, Foundries.

Application Materials

Cast Iron, Non-ferrous Metals and Alloys, various annealed/ quenched/ tempered Steels, especially for soft Metals such as pure Aluminum, Lead, Tin and so on.

Technical Parameters

Model	LHB-3000D
Measuring Range	8~650HBW
Brinell Scale	HBW2.5/62.5、HBW2.5/187.5、HBW5/62.5、HBW5/125、 HBW5/250、HBW5/750、HBW10/100、HBW10/250、 HBW10/500、HBW10/1000、HBW10/1500、HBW10/3000
Testing Force	62.5kgf(612.9N)、100kgf (980.7N)、125kgf (1226N)、187.5kgf (1839N)、250kgf (2452N)、500kgf (4903N)、750kgf (7355N)、 1000kgf (9807N)、1500kgf (14710N)、3000kgf (29420N)
Max Height of Specimen	220mm
Min Measuring Unit	0.0625um
Duration time	5~60s
Magnification of Microscope	20X
Carried Standard	EN ISO 6506, ASTM E10, GB/T231.2, JJG150
Distance of Indenter to outer wall	145mm
Power supply	AC220+5%,50~60Hz
Overall Dimension (mm)	550*250*780mm
Main body Weight	About 150kg

Standard Accessories

Name	Quantity	Name	Quantity
Main Unit	1	Accessory Case	1
Measurement microscope (20X)	1	Diameter ϕ 2.5、 ϕ 5、 ϕ 10 mm Steel Ball Indenter	3
HBW/3000/10, HBW/1000/10, HBW/187.5/2.5	3	Large, Medium, "V" shaped Testing Table	3
Diameter fastening screw	1	2A Fuse	1
Power Cable	1	Dust proof covering	1
Paper for printer	1	Manual ,Certificate, Warranty card	1

Digital Brinell Hardness Tester LHBS-62.5



Functions & Features

- 4 inches LCD display, Menu structure
- Automatic test process, easy to operate
- High-definition optical system, light source brightness can be adjusted by 20 levels.
- Hardness scales conversion function.
- Keyboard to select test method, and convert between various of hardness scales.
- With built-in printer.
- With Motorized turret function .(LHB-62.5MD)

Application Materials

- Measuring Brinell hardness of ferrous metals, non-ferrous metals and bearing alloys; soft metals, small and thin parts.

Model	LHBS-62.5 /LHB-62.5MD
Conversion Scales	Brinell, Rockwell, Superficial Rockwell
Measuring Range	8-650HBW
Testing Force	1、 5、 10、 15.625、 30、 62.5kgf
Max Height of Specimen	165mm
Min Measuring Unit	0.25um(depends on the optional object glass)
Load control	Automatic (loading, duration, unloading)
Total Magnification of Microscope	Observing or Measuring 50X Measuring 100X
Data input	Built-in Printer
Carried Standard	EN ISO 6507, ASTM E-384, ASTM E-10-08, ASTM E-384 GB/T231.2, JJG150
Distance of Indenter to outer wall	130mm
Power supply	AC220+5%,50~60Hz
Main body Weight	About 45kg

Standard Accessories

Name	Quantity	Name	Quantity
Main Unit	1	Accessory Case	1
Objectives (5X , 10X), micrometer (10X)	3	Diameter ϕ 2.5、 ϕ 5、 ϕ 10 mm Hard Alloy Steel Ball Indenter	3
HBW/3000/10(150~250) HBW/1000/10(75~125) HBW/187.5/2.5(150~250)	3	Large, Medium, "V" shaped Testing Table	3
Diameter fastening screw	1	2A Fuse	2
Dust proof covering	1	Power Cable, Print paper	Each 1
HB Reference table	1	Users' Manual and Product Certificate	Each 1

Micro Vickers Hardness Tester LHV-1000/LHV-1000Z



Functions & Features

- Automatic measuring process, easy operation.
- With LCD display, the hardness scale HV or HK can be selected.
- High-definition optical system, the brightness of light source can be adjusted in 20 levels.
- Corner length D1 and D2 can be read by the eyepiece.
- Automatic turret function: The objective and Indenter can automatically switch. (LHV-1000Z)
- Meet or exceed ISO, ASTM and JJS standards.

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts

Technical Parameters

Model	LHV-1000 / LHV-1000Z
Test force	10gf (0.098N)、25gf (0.245N)、50gf (0.49N)、100gf (0.98N)、200gf (1.96N)、300gf (2.94N)、500gf(4.9N)、1000gf (9.8N)
Min measuring unit	0.25μm
Data output	LCD screen display
Max Height of Specimen	100mm
Distance of Indenter to outer wall	120mm
X-Y Testing table	Dimension: 100*100mm Max mobile: 25*25mm
Conversion Scale	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Measuring Range	8~2900HV
method of testing force applied	Automatic (Loading, Dwell, Unloading)
Test microscope magnification	400X(Measuring), 100X (observation)
Duration time	5~60s (Adjustable)
Power supply	AC220V+5%, 50-60Hz
Overall Dimension	405*290*480mm
Net weight	About 35Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 40x	2	XY Coordinate table	1
Eyepiece 10x	1	Testing table	3
HV Indenter	1	12V20W light bulb	1
Weight	6	Power cable & 2A fuse	2
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV1, HV0.2)	2	Manual & Certificate	2

Digital Micro Vickers Hardness Tester LHV-1000D / LHV-1000DZ



Functions & Features

- Automatic measuring process, easy operation.
- With LCD display, the hardness scale HV or HK can be selected.
- High-definition optical system, the brightness of light source can be adjusted in 20 levels.
- Corner length D1 and D2 can be read directly by the system.
- Measurement results can be output by the printer.
- Automatic turret function: The objective and Indenter can automatically switch. (**LHV-1000DZ**)
- Meet or exceed ISO, ASTM and JJS standards.

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts

Technical Parameters

Model	LHV-1000D / LHV-1000DZ
Test force	10gf (0.098N)、25gf (0.245N)、50gf (0.49N)、100gf (0.98N)、200gf (1.96N)、300gf (2.94N)、500gf(4.9N)、1000gf (9.8N)
Min measuring unit	0.03125μm
Data output	Digital LCD screen display
Max Height of Specimen	100mm
Distance of Indenter to outer wall	120mm
X-Y Testing table	Dimension: 100*100mm Max mobile: 25*25mm
Conversion Scale	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Measuring Range	8~2900HV
method of testing force applied	Automatic (Loading, Dwell, Unloading)
Test microscope magnification	400X(Measuring), 100X (observation)
Duration time	5~60s (Adjustable)
Power supply	AC220V+5%, 50-60Hz
Overall Dimension	405*290*480mm
Net weight	About 35Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 40x	2	Testing table	3
Eyepiece 10x	1	12V20W light bulb	1
HV Indenter	1	Power cable & 2A fuse	2
Weight	6	Paper for thermal printer	1
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV1, HV0.2)	2	Manual & Certificate	2
XY Coordinate table	1		

Digital Micro Vickers Hardness Tester LHVS-1000/LHVS-1000Z



Functions & Features

- With 4-inch large LCD screen, menu structure.
- Automatic measuring process, easy operation.
- High-definition optical system, the brightness of light source can be adjusted in 20 levels.
- With hardness value conversion function, tolerance judgment by hardness upper and lower limit.
- Corner length D1 and D2 can be read directly by the system.
- Measurement results can be output by the printer.
- Automatic turret function: The objective and Indenter can automatically switch. (LHVS-1000Z)
- Meet or exceed ISO, ASTM and JJS standards.

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts

Technical Parameters

Model	LHV-1000D / LHV-1000DZ
Test force	10gf (0.098N)、25gf (0.245N)、50gf (0.49N)、100gf (0.98N)、200gf (1.96N)、300gf (2.94N)、500gf(4.9N)、1000gf (9.8N)
Min measuring unit	0.03125μm
Data output	Digital LCD screen display
Max Height of Specimen	100mm
Distance of Indenter to outer wall	120mm
X-Y Testing table	Dimension: 100*100mm Max mobile: 25*25mm
Conversion Scale	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Measuring Range	8~2900HV
method of testing force applied	Automatic (Loading, Dwell, Unloading)
Test microscope magnification	400X(Measuring), 100X (observation)
Duration time	5~60s (Adjustable)
Power supply	AC220V+5%, 50-60Hz
Overall Dimension	405*290*480mm
Net weight	About 35Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 40x	2	Testing table	3
Eyepiece 10x	1	12V20W light bulb	1
HV Indenter	1	Power cable & 2A fuse	2
Weight	6	Paper for thermal printer	1
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV1, HV0.2)	2	Manual & Certificate	2
XY Coordinate table	1		

Digital Micro Vickers Hardnes Tester LHVS-1000Z (Touch Screen)



USB



Software



LCD



Functions & Features

- With 7-inch large LCD screen, menu structure.
- Automatic measuring process, easy operation.
- High-definition optical system, the brightness of light source can be adjusted in 20 levels.
- With hardness value conversion function, tolerance judgment by hardness upper and lower limit.
- Corner length D1 and D2 can be read directly by the system.
- Measurement results can be output by the printer.
- Automatic turret function: The objective and Indenter can automatically switch.
- Meet or exceed ISO, ASTM and JJS standards.

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts

Technical Parameters

Model	LHVS-1000Z (Touch Screen)
Test force	10gf (0.098N)、25gf (0.245N)、50gf (0.49N)、100gf (0.98N)、200gf (1.96N)、300gf (2.94N)、500gf(4.9N)、1000gf (9.8N)
Min measuring unit	0.03125μm
Data output	Digital LCD screen display
Max Height of Specimen	100mm
Distance of Indenter to outer wall	120mm
X-Y Testing table	Dimension: 100*100mm Max mobile: 25*25mm
Conversion Scale	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Measuring Range	8~2900HV
method of testing force applied	Automatic (Loading, Dwell, Unloading)
Test microscope magnification	400X(Measuring), 100X (observation)
Duration time	5~60s (Adjustable)
Power supply	AC220V+5%, 50-60Hz
Overall Dimension	405*290*480mm
Net weight	About 35Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 40x	2	Testing table	3
Eyepiece 10x	1	12V20W light bulb	1
HV Indenter	1	Power cable & 2A fuse	2
Weight	6	Paper for thermal printer	1
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV1, HV0.2)	2	Manual & Certificate	2
XY Coordinate table	1		

Vickers Hardness Tester LHV-5/10/30/50



Functions & Features

- With LCD screen, high-definition optical system
- Back-light brightness is adjustable in 20 levels
- Corner length D1 and D2 can be read by the eyepiece
- Hardness scales conversion
- Meet or exceed ISO, ASTM and JJS standards
- With Motorized Turret function. (LHV-5Z/10Z/30Z/50Z)

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts
- Hardness test such as on the depth and gradient of the carbonized layers and quenched hardened layers.

Technical Parameters

Model	LHV-5/10/30/50
Test force	LHV-5: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、2Kgf (19.6N)、3Kgf(29.4N)、5Kgf (49N)
	LHV-10: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)
	LHV-30: 1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)
	LHV-50: 1Kgf (9.8N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)、50Kgf (490N)
Measuring Range	8-2900HV
Conversion Scale	Rockwell, Superficial Rockwell, Brinell
Indication of Hardness Value	Large LCD screen display
Min measuring unit	0.5 μ m (with objective lens)
Test microscope magnification	200X(Measuring), 100X (observation)
Load control (force applied)	Automatic (Loading, Dwell, Unloading)
Max Height of Specimen	165mm
Distance of Indenter to outer wall	130mm
Power supply	AC220V+5%, 50-60Hz
Carried Standard	GB/T4340.2 Chinese Standard, JJG151 Inspection Rule
Net weight	About 45Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 20x	2	Testing table	3
Eyepiece 10x	1	12V20W light bulb	1
HV Indenter	1	Power cable	1
Weight	3	2A fuse	2
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV5)	2	Manual & Certificate	2

Vickers Hardness Tester LHVS-5/10/30/50



USB



Software



LCD



Functions & Features

- 4-inch large LCD screen with menu structure
- Back-light brightness is adjustable in 20 levels
- with high-definition optical system
- Corner length D1 and D2 can be read directly by the system
- Test results and data processing can be output by printer
- Test process is automatic and easy to operate
- Hardness scales conversion.
- Meet or exceed ISO, ASTM and JJS standards.
- With Motorized Turret function. (LHVS-5Z/10Z/30Z/50Z)

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization, quenched hardened layer, nitrided layer
- Small and thin parts
- Hardness test such as on the depth and gradient of the carbonized layers and quenched hardened layers.

Technical Parameters

Model	LHVS-5/10/30/50
Test force	LHVS-5: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、2Kgf (19.6N)、3Kgf(29.4N)、5Kgf (49N)
	LHVS-10: 0.3Kgf (2.94N)、0.5Kgf(4.9N)、1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)
	LHVS-30: 1Kgf (9.8N)、3Kgf(29.4N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)
	LHVS-50: 1Kgf (9.8N)、5Kgf (49N)、10Kgf (98N)、20Kgf (196N)、30Kgf (294N)、50Kgf (490N)
Measuring Range	8-2900HV
Conversion Scale	Rockwell, Superficial Rockwell, Brinell
Indication of Hardness Value	Large LCD screen display
Min measuring unit	0.125 μ m (with objective lens)
Test microscope magnification	200X(Measuring), 100X (observation)
Data output	Inside Printer
Load control (force applied)	Automatic (Loading, Dwell, Unloading)
Max Height of Specimen	165mm
Distance of Indenter to outer wall	130mm
Power supply	AC220V+5%, 50-60Hz
Carried Standard	GB/T4340.2 Chinese Standard, JJG151 Inspection Rule
Net weight	About 45Kg

Standard Accessories

Item	Quantity	Item	Quantity
Objective 10x, 20x	2	Testing table	3
Eyepiece 10x	1	12V20W light bulb	1
HV Indenter	1	Power cable & 2A fuse	2
Weight	3	Paper for thermal printer	1
Rod of Weight	1	Screwdriver & Level vial	2
Hardness Block (HV5)	2	Manual & Certificate	2