

Standard Accessories:

Large Flat Anvil: 1 PC.
Small Flat Anvil: 1 PC.
Large V-notch Anvil: 1 PC.
Diamond Cone Penetrator: 1 PC.
1/16" Steel Ball Penetrator: 1 PC.
Rockwell Standardized Block: 5 PCS.



1.Application:

HRS-150 Digital Display Rockwell Hardness Tester adopts novel-designed large LCD screen to display, as well as menu structure.

It mainly functions are as follows:

- 1.1. Lever Loading, durable and reliable, the test process automation, no human operator error.
- 1.2. LCD automatically display the hardness value and can be converted hardness.
- 1.3. Built-in printer, automatic printing hardness results.
- 1.4. Precision hydraulic buffers, steady load.
- 1.5. No friction spindle, high precision test force.
- 1.6. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Usage Range:

Rockwell hardness measurement of ferrous metals, non-ferrous metals and non-metallic materials.

Wide range of applications, suitable for rockwell hardness testing of hardening, quenching and other heat-treated material.

3.Main Specifications:

Model	HRS-150
Measuring Range	20-88HRA, 20-100HRB, 20-70HRC
All Testing Force	60 kgf (588.4N), 100 kgf (980.7N), 150 kgf (1471N)
Max. Height Of Speciment	200 mm
Max. Depth Of Speciments	135 mm
Min. Scale Value	0.5HR
Indication Of Hardness Value	Digital Display With Large LCD Screen
Net Weight	70 KG
Overall Dimension	500×250×700mm (L×W×H)
Power Supply	AC220V, 50Hz

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- 1/16" Steel Ball Penetrator: 1 PC.
- Rockwell Standardized Block: 5 PCS.



1.Application:

HRDJ-150 Lengthened Motor-Driven Rockwell Hardness Tester suitable for rockwell hardness measurement of ferrous metals, non-ferrous metals and non-metallic materials.

Wide range of applications, suitable for rockwell hardness testing of hardening, quenching and other heat-treated material.

It mainly functions are as follows:

- 1.1. Lever Loading, durable and reliable, the test process automation, no human operator error.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRA, HRB, HRC, and can choose other Rockwell Scale.
- 1.5. Large workbench 400 * 600mm, can smooth test large workpieces.
- 1.6. Biaxial linkage synchronous lifting structure with expansion device.
- 1.7. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Specifications:

Model	HRDJ-150
Measuring Range	20-88HRA, 20-100HRB, 20-70HRC
Test Force	588.4, 980.7, 1471N (60, 100, 150kgf)
Max. Height Of Speciment	120 mm
Max. Depth Of Specimens	135 mm
Min. Scale Value	0.5HR
Power Supply	220V AC, 50Hz
Dimensions	500 x 400 x 700mm
Weight	Approx. 130 KG

Standard Accessories:

Large Flat Anvil: 1 PC.
Small Flat Anvil: 1 PC.
Large V-notch Anvil: 1 PC.
Diamond Cone Penetrator: 1 PC.
1/16" Steel Ball Penetrator: 1 PC.
Rockwell Standardized Block: 5 PCS.



1.Application:

HR-150A Manual Metal Rockwell Hardness Tester is an indispensable hardness measuring instrument in machinery, metallurgy and metrology department.

It mainly functions are as follows:

- 1.1. Lever Loading, manual operation, durable and reliable.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRA, HRB, HRC, and can choose other Rockwell Scale.
- 1.5. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Usage Range:

Rockwell hardness measurement of ferrous metals, non-ferrous metals and non-metallic materials. Wide range of applications, suitable for rockwell hardness testing of hardening, quenching and other heat-treated material.

3.Specifications:

Model	HR-150A
Preliminary Test Force	98 N, 29.40N
Total Test Force	588.4N, 980.7N, 1471N (60, 100, 150kgf)
Test Range	(20-88)HRA; (20-100)HRB; (20-70)HRC.
Max. Test Height	170mm
The Distance Between Pressure Head Center And The Wall	135mm
Hardness Resolution	0.5HR
Dimensions	466*238*630mm
Weight	70 KG

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- 1/16" Steel Ball Penetrator: 1 PC.
- Rockwell Standardized Block: 5 PCS.



1.Application:

Rockwell hardness measurement of ferrous metals, non-ferrous metals and non-metallic materials. Wide range of applications, suitable for rockwell hardness testing of hardening, quenching and other heat-treated material.

It mainly functions are as follows:

- 1.1. Lever Loading, durable and reliable, the test process automation, no human operator error.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRA, HRB, HRC, and can choose other Rockwell Scale.
- 1.5. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Specifications:

Model	HRD-150
Measuring Range	20-88HRA, 20-100HRB, 20-70HRC
Test Force	588.4, 980.7, 1471N (60, 100, 150kgf)
Max. Height Of Speciment	200 mm
Max. Depth Of Specimens	135 mm
Min. Scale Value	0.5HR
Power Supply	220V AC, 50Hz
Dimensions	500 x 250 x 700mm
Weight	Approx. 75 KG

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- 1/16" Steel Ball Penetrator: 1 PC.
- Rockwell Standardized Block: 5 PCS.



1.Application:

Rockwell hardness measurement of ferrous metals, non-ferrous metals and non-metallic materials. Wide range of applications, suitable for rockwell hardness testing of hardening, quenching and other heat-treated material.

It mainly functions are as follows:

- 1.1. Lever Loading, manual operation, durable and reliable.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRA, HRB, HRC, and can choose other Rockwell Scale.
- 1.5. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Specifications:

Model	HR-150B
Test Range	20-88HRA, 20-100HRB, 20-70HRC
Test Force	588.4, 980.7, 1471N (60, 100, 150kgf)
Max. Test Height	400mm
Depth Of Throat	160mm
Min. Scale Value	0.5HR
Dimensions	548 x 326 x 1025mm (21.6x12.9x40.5 inch)
Weight	Approx. 140kg / 308lb

Standard Accessories:

Large Flat Anvil: 1 PC.
Small Flat Anvil: 1 PC.
Large V-notch Anvil: 1 PC.
Diamond Cone Penetrator: 1 PC.
1/16" Steel Ball Penetrator: 1 PC.
Rockwell Standardized Block: 5 PCS.



1.Application:

Rockwell hardness measurement of ferrous metals, non-ferrous metals and non-metallic materials. Wide range of applications, suitable for rockwell hardness testing of hardening, quenching and other heat-treated material.

It mainly functions are as follows:

- 1.1. Lever Loading, durable and reliable, the test process automation, no human operator error.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRA, HRB, HRC, and can choose other Rockwell Scale.
- 1.5. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Specifications:

Model	HRD-150B
Measuring Range	20-88HRA, 20-100HRB, 20-70HRC
Test Force	588.4, 980.7, 1471N (60, 100, 150kgf)
Max. Height Of Speciment	400 mm
Max. Depth Of Speciments	165 mm
Min. Scale Value	0.5HR
Power Supply	220V AC, 50Hz
Dimensions	548 x 326 x 1025mm
Weight	Approx. 140 KG

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- 1/16" Steel Ball Penetrator: 1 PC.
- Superficial Rockwell Standardized Block: 4 PCS.



1.Application:

HR-45A Manual Superficial Rockwell Hardness Tester suitable for measuring superficial rockwell hardness of Ferrous Metals, Alloy Steel, Carbide and Metal after treated surface (carburizing, nitriding, plating layer). Especially suitable for precision measurement of Parallel Planes.

It mainly functions are as follows:

- 1.1. Lever Loading, manual operation, durable and reliable.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRN, HRT, and can choose other Rockwell Scale.
- 1.5. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Specifications:

Model	HR-45A
Measuring Range	70-94HR15N, 67-93HR15T, 42-86HR30N, 29-82HR30T, 20-77HR45N, 10-72HR45T
Total Test Force	15Kgf(147.10N), 30Kgf(294.20N), 45Kgf(441.30N)
Hardness Data Read	Dial
Specimen Maximum Height Allowed	170mm
Throat Depth	135mm
Min. Scale Value	0.5HR
Instrument Size	466*238*630mm (L*W*H)
Weight	70.00 KG

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- 1/16" Steel Ball Penetrator: 1 PC.
- Superficial Rockwell Standardized Block: 4 PCS.



1.Application:

HRD-45A Motor-Driven Superficial Rockwell Hardness Tester suitable for measuring superficial rockwell hardness of Ferrous Metals, Alloy Steel, Carbide and Metal after treated surface (carburizing, nitriding, plating layer).

Especially suitable for precision measurement of Parallel Planes.

It mainly functions are as follows:

- 1.1. Lever Loading, durable and reliable, the test process automation, no human operator error.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRN, HRT, and can choose other Rockwell Scale.
- 1.5. Accuracy according to GB / T230.2, ISO 6508-2 and American ASTM E18 standard.

2.Specifications:

Model	HRD-45A
Measuring Range	70-94HR15N, 67-93HR15T, 42-86HR30N, 29-82HR30T, 20-77HR45N, 10-72HR45T
Total Test Force	15Kgf(147.10N), 30Kgf(294.20N), 45Kgf(441.30N)
Hardness Data Read	Dial
Specimen Maximum Height Allowed	200mm
Throat Depth	135mm
Min. Scale Value	0.5HR
Supply Power	220V, 50Hz
Instrument Size	500*250*700mm (L*W*H)
Weight	70.00 KG



1.Main Features:

Model HRMS-45 Digital Superficial Rockwell Hardness Tester with plan a kind of more advanced, the big screen display and operation of the digital display the surface hardness value rockwell hardness plan.

The big screen touch operation, may to the surface hardness choose rod los type, digital first test data, various hardness value of the conversion between. And with the testing data storage, print, RS-232 super terminal Settings, and other functions, the machine has good visual and stability.

2.Usage Range:

Surface hardness steel, material surface heat treatment and chemical processing, copper, aluminum, zinc, tin plate, chrome materials, bearing steel, cold hard castings, etc.

3.Technical Specifications:

Model	HRMS-45
Conversion Scale	Rockwell, Brinell, Vickers
Indication Of Hardness Value	LCD Display
Max. Height Of Specimen	165mm
Date Output	Inside Printer, RS-232
Net Weight	About 50 KG
Power Supply	AC 220V, 50Hz
Overall Dimension	520*240*720mm
Duration Time	2-60s
Carried Standard	GB/T231.2 Chinese Standard, JJG150 Inspection Rule
Distance Of Indenter To Outer Wall	160mm
Preliminary Testing Force	3 kgf (29.42N)
Testing Force	15kgf (147.1N); 30kgf (294.2N); 45kgf (441.3N)
Rockwell Scale	HR15N; HR30N; HR45N; HR15T; HR30T; HR45T
Hardness Measuring Scale	HRA:20-88; HRB:20-100; HRC:20-70 HRD:40-77; HRE:70-100; HRF:60-100 HRG:30-94; HRH:80-100; HRK:40-100

**4.Standard Accessories:**

NAME	QTY	NAME	QTY
Diamond Rockwell Indenter, Diameter 1.5875mm Ball Indenter	1	RS-232 Cable, Power Cable	Each 1
Hardness Blocks (HRC High Low 2, HRB 1)	1	Plastic Dustpro Of Cover	1
Large, Medium, “V” Shaped Testing Table	3	Manual, Product Certificate	1
Weights (A, B, C)	3	Printer Manual	1



1.Main Features:

Model HR-45/150DX Digital Display Full Rockwell Hardness Tester adopts large LCD screen, the operation panel adopts menu construction, it is good reliable, operable and intuitive.

2.Function Features:

- 2.1.Touch-screen interface, easy to operate.
- 2.2.No need to install weights, no need to installation and commission, can use it directly when you open it.
- 2.3.Electric loading, closed-loop control.
- 2.4.All rockwell scales is 30 kinds:
 - 2.4.1.Rockwell scales is 15 kinds:
HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
 - 2.4.2.Superficial scales is 15 kinds:
HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
- 2.5.When you use hardness scales, it will reminder to chose the indenter.
- 2.6.Automatic loading the initial load and main load.
- 2.7.Hardness value of three period (high, medium, low period)will correct automatically.
- 2.8.Test forces will correct automatically, the accuracy of test force will improve one magnitude
- 2.9.Set a password-protected to set parameters.
- 2.10.More samples information and test information.
- 2.11.The U disk monitor will save the testing data to be EXCEL format to edit and process more conveniently.
- 2.12.Adopt modular design to maintain conveniently.

3. Technical Specifications:

3.1. Initial Test Force:

Superficial Rockwell	3kgf (29.42N)	Error Of Tolerance	±2.0%
Rockwell	10kgf(98.07N)	Error Of Tolerance	±2.0%

3.2. Total Test Force:

Superficial Rockwell	15kgf(147.1N) 30kgf (294.2N) 45kgf (441.3N)	Error Of Tolerance	±1.0%
Rockwell	60kgf (588.4N) 100kgf (980.7N) 150kgf (1471N)	Error Of Tolerance	±1.0%

3.3. Power Supply: AC220V ± 5%, 50Hz

3.4. Delay Control: 1~60s (adjustable)

3.5. Max. Height Of Specimen: 215 mm

3.6. Distance Between Indenter Core and Wall: 200mm

3.7. Rockwell Hardness Testing Scales, Indenter, Test Force and Application Range.

Table 1:

Scale	Indenter Kind	Initial Test Force	Total Test Force	Application Range	
HRA	Diamond Indenter	98.07 N (10kg)	60kgf(588.4N)	Carbide, carbide surface hardening steel, hardened steel sheet	
HRD			100kgf(980.7N)	Fine steel plate, surface hardened steel	
HRC			150kgf(1471N)	Hardened steel, quenched and tempered steel, chilled cast iron	
HRF	ball indenter φ1.5875mm (1/16 inch)		60kgf(588.4N)	Cast iron, aluminum, magnesium alloy, bearing alloys, annealed copper alloy, steel and other thin soft	
HRB			100kgf(980.7N)	Mild steel, aluminum, copper alloy, malleable iron, annealed steel	
HRG			150kgf(1471N)	Phosphor bronze, beryllium and malleable iron	

HRH	ball indenter	98.07 N (10kg)	60kgf(588.4N)	Aluminum, zinc, lead
HRE	φ3.175mm		100kgf(980.7N)	Bearing alloy, tin, hard plastic and other soft materials
HRK	(1/8 inch)		150kgf(1471N)	
HRL	ball indenter		60kgf(588.4N)	Hard plastic, hard rubber, aluminum, tin, copper, mild steel, synthetic resin and friction Materials.
HRM	φ6.35mm		100kgf(980.7N)	
HRP	(1/4 inch)		150kgf(1471N)	
HRR	ball indenter		60kgf(588.4N)	
HRS	φ12.7mm		100kgf(980.7N)	
HRV	(1/2 inch)		150kgf(1471N)	

3.8. Superficial rockwell hardness test scale, indenter, test force and application:

Table 2:

Hardness Scale	Indenter	Preliminary Test Force	Total Test Force	Application
HR15N	Diamond Indenter Cone Angle 120 ° Of 120 ° Top Spherical Radius of 0.2mm	3kgf (29.42N)	15kgf (147.1N)	The edge portion and the surface treatment section of Nitriding steel, various steel sheet , knives and other parts of
HR30N			30kgf (294.2N)	
HR45N			45kgf (441.3N)	
HR15T	Ball indenter φ1.5875mm (1/16 inch)	3kgf (29.42N)	15kg f (147.1N)	Thin mild steel, brass, bronze, aluminum, etc.
HR30T			30kgf (294.2N)	
HR45T			45kgf (441.3N)	

3.9. Tolerance error of indicating value (rockwell hardness test common scales is A, B, C)

Table 3:

Hardness Scale	Standard Block Hardness Range	Maximum Permissible Error
HRA	(20~75)HRA	±2HRA
	(>75~88)HRA	±1.5HRA

HRB	(20~45)HRB	±4HRB
	(>45~80)HRB	±3HRB
	(>80~100)HRB	±2HRB
HRC	(20~70)HRC	±1.5HRC
HRD	(40~70)HRD	±2HRD
	(58~69)HRE	±2.2HRE
HRE	(>70~94)HRE	±2HRE
	(>90~100)HRE	±2HRE
HRF	(60~90)HRF	±3HRF
	(>90~100)HRF	±2HRF
HRG	(30~50)HRG	±6HRG
	(>50~75)HRG	±4.5HRG
	(>75~94)HRG	±3HRG
HRH	(80~100)HRH	±2HRH
HRK	(40~60)HRK	±4HRK
	(>60~80)HRK	±3HRK
	(>80~100)HRK	±2HRK
HRL	(100~120)HRL	±1.2HRL
HRM	(85~110)HRM	±1.5HRM
HRR	(114~125)HRR	±1.2HRR

3.10. Superficial Rockwell hardness scale and hardness range, showing the value of tolerance.

Table 4:

Scale	Standard Block Hardness Range	Maximum Permissible Error
15N	70~77 HR 15N, 78~88 HR 15N, 89~91 HR 15N	±2 HRN
30N	42~54 HR 30N, 55~73 HR 30N, 74~80 HR 30N	
45N	20~31 HR 45N, 32~61 HR 45N, 63~70 HR 45N	
15T	73~80 HR 15T, 81~87 HR 15T, 88~93 HR 15T	±3 HRT
30T	43~56 HR 30T, 57~69 HR 30T, 70~82 HR 30T	
45T	12~33 HR 45T, 34~54 HR 45T, 55~72 HR 45T	

3.11. Plastic Rockwell hardness scale, hardness range, showing the value of tolerance and repeatability requirements.

Table 5:

Hardness Scale	Standard Hardness Block Hardness Range	Maximum Permissible Error	Repeatability Is Not Greater Than
HRE	70~94HRE	±2.0HRE	2.5HRE
HRL	100~120HRL	±1.2HRL	1.5HRL
HRM	85~110HRM	±1.5HRM	2.0HRM
HRR	114~125HRR	±1.2HRR	1.5HRR

4.Packing List:

No.	Item (specification)	QTY
1	Rockwell Diamond Indenter	1 PC
2	1.5875mm Diameter Carbide Indenter	1 PC
3	Middel, Flat, V-test Table	1 PC
4	Standard Rockwell Hardness Block	5 PCS
5	HRB	1 PC
6	HRC High, Low	2 PCS
7	HR15N, HR30N, HR30T	1 PC Of Each
8	Fuse 2A	2 PCS
9	Power Line	1 PC
10	Dust- proof Bag	1 PC
11	Quality Certificate	1 PC
12	Operation Manual	1 PC
13	Touch Pen	1 PC

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- Φ3.175, Φ6.35, Φ12.7 Steel Ball Penetrator: Each 1 PC.
- Plastic Rockwell Standardized Block: 4 PCS.



1.Application:

XHR-150 Manual Plastic Rockwell Hardness Tester is a specialized test non-metallic, plastic, hard rubber, synthetic resin, friction material and soft metal hardness tester.

It mainly functions are as follows:

- 1.1. Lever Loading, manual operation, durable and reliable.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRE, HRL, HRM, HRR and can choose other Rockwell Scale.
- 1.5. Accuracy according to JB/T7409 standard.

2.Technical Specifications:

Model	XHR-150
Measuring Range	70-100HRE, 50-115HRL, 50-115HRM, 50-115HRR.
Total Test Force	588.4N, 980.7N, 1471N (60, 100, 150kgf)
Max. Height Of Specimens	170mm
Distance From Indenter's Center To Outer Wall	135mm
Hardness Resolution	0.5HR
Machine Size(DxWxH)	466×238×630mm
Weight	70 KG

Standard Accessories:

- Large Flat Anvil: 1 PC.
- Small Flat Anvil: 1 PC.
- Large V-notch Anvil: 1 PC.
- Diamond Cone Penetrator: 1 PC.
- Φ3.175, Φ6.35, Φ12.7 Steel Ball Penetrator: Each 1 PC.
- Plastic Rockwell Standardized Block: 4 PCS.



1.Application:

XHRD-150 Electric Control Plastic Rockwell Hardness Tester is a specialized test non-metallic plastic, hard rubber, synthetic resin, friction material and soft metal hardness tester.

Simple operation, easy to master, high working efficiency.

It mainly functions are as follows:

- 1.1. Lever Loading, durable and reliable, the test process automation, no human operator error.
- 1.2. No friction spindle, high precision test force.
- 1.3. Precision hydraulic buffers, steady load.
- 1.4. Dial display the hardness value, HRE, HRL, HRM, HRR, and can choose other Rockwell Scale.
- 1.5. Accuracy according to JB/T7409 standard.

2.Technical Specifications:

Model	XHRD-150
Measurement Range	70-100HRE, 50-115HRL, 50-115HRM, 50-115HRR.
Test Force	588.4, 980.7, 1471 N (60,100,150 kgf)
Sample Permitted Maximum Height	200 mm
The Distance Between Pressure Head Center And The Wall	135 mm
Hardness Resolution	0.5HR
Weight	About 70 KG
Dimensions	500*250*700mm
Power	AC220V, 50Hz



1.Application:

HB-3000B Brinell Hardness Tester used electronic directional control switch. Can be used to determine un-quenched steel, Cast iron, Non-ferrous metal and the soft texture of bearing metal materials' brinell hardness value.

2.Features:

- 2.1.High precision reading microscope measurement system.
- 2.2.Mechanical structure patent design, low noise with extremely low failure rate.
- 2.3.Electronic reversing switch.
- 2.4.Accuracy accord with GB/T231.2, ISO6506-2 and the United States ASTM E10 standard.

3.Technical Parameter:

Model	HB-3000B
Testing Range	8-650HBW
Testing Force	1838.8, 2415.8, 7355.3, 9807, 29421N (187.5, 250, 750, 1000, 3000 kgf)
Max Testing Height	230mm
Distance Between Pressing Head Center And The Wall	120mm
Power Supply	220V/50Hz
Size	466 x 238 x 630mm
Weight	210 KG

Descriptions	Quantity
Large testing platform	1 pc.
Small testing platform	1 pc.
V-notch testing platform	1 pc.
Tungsten carbide steel ball indenter	1 pc. Φ2.5, 1 pc. Φ5, 1 pc. Φ10
Rockwell standardized block	2 pcs.
20 times readings microscope	1 pc.
Instruction manual	1 share
Packing list	1 share