

STANDARD: ISO 6508-2, ASTM E18

Rockwell hardness testers are used to determine the hardness of metals and alloys by measuring the depth of penetration under a defined force. This series includes five models: manual (LHR-150A), electric (LHR-150DT), digital (LHRS-150), and two touchscreen model (weight load version MHRS-150 and electric load version MHRS-150F). They are suitable for Rockwell hardness testing of ferrous and non-ferrous metals, hardened steel, tempered steel, annealed steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

MANUAL ROCKWELL HARDNESS TESTER LHR-150A

- 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
- Accurate, reliable and durable.



TECHNICAL SPECIFICATIONS

Hardness display	Dial indicator
Max. height of specimen	170 mm
Distance of indenter to outer wall	165 mm
Preliminary test force	10kgf (98.07 N)
Testing force	60kgf (588 N); 100kgf (980 N); 150kgf (1471 N)
Rockwell scale	HRA, HRB, HRC
Hardness measuring range	HRA: 20-88; HRB: 20-100; HRC: 20-70
Overall dimension	520×240×700 mm
Net weight	Approx. 80 kg

STANDARD ACCESSORIES

Diamond Rockwell indenter		1 pc
Hardness block (HRC , HRB)		3 pcs
1/16 ball		6 pcs
1/16 ball indenter		1 pc
Test bench	Large	1 pc
	Small	1 pc
	"V" shaped	1 pc
Plastic dustproof cover		1 pc
Power cable		1 pc

ELECTRIC ROCKWELL HARDNESS TESTER LHR-150DT

- Traditional weight system
- Integrated cast body
- Dial display & electric load
- Rockwell Scales: HRA, HRB, HRC
- Electric loading process without manual operating error;
- Wide range of applications, easy to operate
- Accurate, reliable, durable



120° Indenter



TECHNICAL SPECIFICATIONS

Hardness display	Dial indicator
Max. height of specimen	170 mm
Distance of indenter to outer wall	165 mm
Preliminary test force	10kgf (98.07 N)
Testing force	60kgf (588 N); 100kgf (980 N); 150kgf (1471 N)
Rockwell scale	HRA, HRB, HRC
Hardness measuring range	HRA: 20-88; HRB: 20-100; HRC: 20-70
Power supply	AC 220 V +/-5%, 50-60 Hz
Overall dimension	520×240×700 mm
Net weight	Approx. 80 kg

STANDARD ACCESSORIES

Diamond Rockwell indenter	1 pc	
Hardness block (HRC, HRB)	3 pcs	
1/16 ball	6 pcs	
1/16 ball indenter	1 pc	
Test bench	Large	1 pc
	Small	1 pc
	"V" shaped	1 pc
Plastic dustproof cover	1 pc	
Power cable	1 pc	

DIGITAL ROCKWELL HARDNESS TESTER LHRS-150



- Traditional weight system
- Digital, multi-function LCD display
- Electric load. Automatic loading & unloading
- 12 Rockwell Scales, Conversion to Vickers, Brinell
- Optional Accessories for Plastic Rockwell test
- PC connectivity & Built-in printer for data output

TECHNICAL SPECIFICATIONS

Hardness display	Digital LCD display
Max. height of specimen	170 mm
Distance of indenter to outer wall	165 mm
Preliminary test force	10kgf (98.07 N)
Testing force	60kgf (588 N); 100kgf (980 N); 150kgf (1471 N)
Rockwell scale	HRA, HRB, HRC, HRD, 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
Resolution	0.1 HR
Dwell time	0-60s
Data output	Built-in printer; RS-232 interface
Power supply	AC 220 V +/-5%, 50-60 Hz
Overall dimension	520×240×700mm
Net weight	Approx. 80 kg

STANDARD ACCESSORIES

Indenter	2 pcs	
Hardness block	3 pcs	
Weight	3 pcs	
Test bench	Large	1 pc
	Small	1 pc
	"V" shaped	1 pc
Power cable	1 pc	
Printer paper	1 pc	
RS232 cable	1 pc	

TOUCHSCREEN ROCKWELL HARDNESS TESTER MHRS-150

- Integrated cast body
- Touchscreen display & weight load
- Rockwell Scales: HRA, HRBW, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
- Wide range of applications, easy to operate
- Accurate, reliable, durable



TECHNICAL SPECIFICATIONS

Hardness display	5.6" touchscreen display
Max. height of specimen	230 mm
Distance of indenter to outer wall	165 mm
Preliminary test force	10kgf (98.07 N), error $\pm$ 2.0%
Testing force	60kgf (588 N); 100kgf (980 N); 150kgf (1471 N)
Rockwell scale	HRA, HRBW, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Hardness measuring range	HRA:20-88; HRBW:20-100; HRC:20-70; HRD:40-77; HRE:70-94; HRF:60-100; HRG:30-94; HRH:80-100; HRK:40-100; HRL:100-120; HRM:85-110; HRR:114-125
Resolution	0.1 HR
Dwell time	1-60s
Data output	Built-in printer
Power supply	AC 220 V $\pm$ 5%, 50-60 Hz
Dimension	Package: 605 $\times$ 435 $\times$ 840mm Net: 520 $\times$ 190 $\times$ 720mm
Weight	Gross: 107kg Net: 95 kg

STANDARD ACCESSORIES

Diamond Rockwell indenter		1 pc
Hardness block	HRA	1 pc
	HRBW	1 pc
	HRC	3 pcs
Weight		3 pcs
Test bench	Large	1 pc
	Small	1 pc
	"V" shaped	1 pc
1/16 ball indenter		1 pc
Power cable		1 pc
Printer paper		1 pc
USB flash drive		1 pc
Fuse 2A		2 pcs
Adjusting screw		4 pcs

TOUCHSCREEN ROCKWELL HARDNESS TESTER MHRS-150F

- Integrated cast body
- Touchscreen display & electric load
- Rockwell Scales: HRA, HRBW, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
- Electric loading process without manual operating error;
- Wide range of applications, easy to operate
- Accurate, reliable, durable



TECHNICAL SPECIFICATIONS

Hardness display	8" touchscreen display
Max. height of specimen	280 mm
Distance of indenter to outer wall	165 mm
Preliminary test force	10kgf (98.07 N), error $\pm$ 2.0%
Testing force	60kgf (588 N); 100kgf (980 N); 150kgf (1471 N)
Rockwell scale	HRA, HRBW, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Hardness measuring range	HRA:20-88; HRBW:20-100; HRC:20-70; HRD:40-77; HRE:70-94; HRF:60-100; HRG:30-94; HRH:80-100; HRK:40-100; HRL:100-120; HRM:85-110; HRR:114-125
Resolution	0.1 HR
Dwell time	1-60s
Data output	Built-in printer
Power supply	AC 220V, 50Hz
Dimension	Package: 655×520×935mm Net: 560×240×800mm
Weight	Gross: 118kg Net: 80 kg

STANDARD ACCESSORIES

Diamond Rockwell indenter		1 pc
Hardness block	HRA	1 pc
	HRBW	1 pc
	HRC	3 pcs
Weight		3 pcs
Test bench	Large	1 pc
	Small	1 pc
	"V" shaped	1 pc
1/16 ball indenter		1 pc
Power cable		1 pc
Printer paper		1 pc
USB flash drive		1 pc
Fuse 2A		2 pcs
Adjusting screw		4 pcs