

Digital Rockwell Hardness Tester LHR5-150 (Touch Screen)



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, HRH, HRK, HRL, HRM, HRR, HRS, HRV
- 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

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 (Touch Screen)
Indication of Hardness Value	Large LCD touch 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 HREG HRH HRK HRL HRM HRP HRR HRS HRV
Hardness measuring range	HRA:20-95 HRB:10-100 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)

Touch Screen & Built-in Printer



Accessory Box

