

ADVANCED TOUCH SCREEN DIGITAL ROCKWELL HARDNESS TESTER



RH-150DT



APPLICATION

- Quality control of Industrial production (machinery manufacturing, metallurgy plants, etc.) □ Research & Inspection of Inspection Institutions and universities laboratories.
- Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, etc.

FEATURES: -

- Modern and beautiful appearance, stable structure
- Touch screen interface, easy operation, English language
- **Close loop** structure, with high accuracy load cell instead of weights. Unnecessary for installing weights and debugging, installation is easier.
- Automatic loading - dwell - unloading

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- All Rockwell scales, total 15 hardness scales
- Automatic correction of high, medium and low hardness numbers
- Automatic correction of load, with the force accuracy increased by a numerical level
- Data stored in USB flash disk, EXCEL format, easy for compiling and processing □ Adopt the modular design, easy maintenance

TECHNICAL SPECIFICATIONS:

Model	RH-150DT
Initial Test force	10kgf (98N)
Main Test force	60kgf (588.4N), 100kgf (980.7N), 150kgf (1471N)
Hardness scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRP, HRR, HRS, HRV
Conversion scale	HRA, HRB, HRC, HRD, HRE, HRF, HV, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Dwell time	0-99s
Load value error	<0.5%
Hardness testing rang	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, HRL: 100-120, HRM: 85-115, HRR:114-125
Resolution	0.1HR
Executive standard	BSEN 6508, ISO 6508, ASTM E18, GB/T230
Test space	220*200mm (HID)
Hardness reading	LCD display
Data output	USB flash disk in Excel format
Power supply	AC220V, 50/60HZ
Net weight	70kg
Size	560x220x750mm
Gross weight & Packing size	780x470x940mm 90kg

STANDARD ACCESSORIES:

Item	Q'ty	Item	Q'ty
Diamond Rockwell indenter	1	Ball indenter with a diameter of 1.5875 mm	1
Hardness block (HRB, HRC high, HRC low value)	3	Large, medium, V-type testing table	1 for each
Power line	1	Dust-proof plastic housing	1
USB flash disk	1	Operating Instruction, Product Qualification Certificate	1 for each

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OPERATION INTERFACE:

Main interface:

Tester:

Product Name:

Radio of Curvature:

Range: To

Hardness type:

Conversion type: Conversion Value:

Dwell Time(S):

Hardness value:

Test scales:

Measurement Scale

HRA/60/D HRB/100/1.588 HRC/150/D HRD/100/D

HRE/100/3.175 HRF/60/1.588 HRG/150/1.588 HRH/60/3.175

HRK/150/3.175 HRL/60/6.35 HRM/100/6.35 HRP/150/6.35

HRR/60/12.7 HRS/100/12.7 HRV/150/12.7

Conversion scale

HRA HRB HRC HRD

HRF HV HBW

HR15N HR30N HR45N

HR15T HR30T HR45T

Hardness value calibration & force calibration:

Calibration

Scale:

Standard hardness value: Measured:

Low

Medium

High

Test Force Calibration

Standard kg

Mmeasured kg