

### Motorized Lifting System Digital Automatic Rockwell Hardness Tester



#### Features and Functions:

- iqualitrol full-auto Intelligent Digital Rockwell Hardness Tester, available to test Rockwell and Superficial Rockwell hardness automatically.
- One-key operation, auto lifting, auto load-change, auto loading/dwell/unloading, auto conversion, auto testing.
- Equipped with friendly operation interface, color touch screen directly display test force, dwell time, conversion value, indenter type, etc.
- Auto calculating and displaying test result, Max, Min, Ave, and hardness deviation. Resolution is 0.1HR.
- Available to set up upper and lower limit, with the function of over-error warning, data analysis chart, single test and group test.
- With software compensation function, available to compensate  $\pm 3HR$ , need not mechanical adjustment.

#### Application Range:

- ◆ Rockwell B Scale HRB: Copper alloys, soft steels, aluminum alloys, malleable iron, etc.
- ◆ Rockwell C Scale HRC: Steel, hard cast irons, pearlitic malleable iron, titanium, deep case hardened steel, and other materials harder than B100.
- ◆ Rockwell A Scale HRA: Cemented carbides, thin steel, and shallow case-hardened steel.

#### Technical Specifications:

Product Name	Auto Rockwell Hardness Tester	Full-auto Superficial Rockwell Hardness Tester	Full-auto Twin Rockwell Hardness Tester
Model	HRST-150Z	HRST-45Z	CHRTS-150ZS
Preliminary Test Force	10Kgf(98.1N)	3Kgf(29.4N)	3Kgf(29.4N);10Kgf(98.1N)
Total Test Force	60Kgf(588.4N), 100Kgf(980.7N), 150Kgf(1471N)	15Kgf(147.1N), 30Kgf (294.3N), 45Kgf(441.3N)	15Kgf(147.1N),30Kgf (294.3N),45Kgf(441.3N); 60Kgf(588.4N),100Kgf (980.7N),150Kgf(1471N)
Rockwell Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK,HRL, HRM, HRP, HRR, HRS, HRV		
Superficial Rockwell Scale	HR15N,HR30N,HR45N,HR15T,HR30T,HR45T,HR15W, HR30W,HR45W,HR15X,HR30X,HR45X,HR15Y,HR30Y,HR45Y		
Full Rockwell Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK,HRL, HRM, HRP, HRR, HRS, HRV;15T,30T,45T;15T,30T,45T;15W,30W, 45W;15X,30X,45X;15Y,30Y,45Y;15N,30N,45N		

Dwell Time	1-60s adjustable
Display Screen	Color touch screen; Resolution:640*480
Resolution	0.1HR
Loading Mode	Auto loading/dwell/unloading
Conversion Scale	HRC,HV,HBS,HBW,HK,HAR,HRD,HR15N,HR30N, HR45N,HS,HRF,HR15T,HR30T,HR45T,HRB
Conversion Standard	ASTM,DIN
Language	Chinese, English
Software Correction	-3.0HR ~ +3.0HR, step value 0.1HR
Data Processing	2000 group single dat, line chart of group data function; respectively provide single data viewing and group data viewing
Print	Optional wireless printer
Max. Height of Specimen	270mm
Throat	160mm
Power Supply	AC 220V/50Hz; AC110V/60Hz
Dimension	615 x 225x 885mm
Packing Dimension	670×440×1000(mm)
Net Weight /Gross	105Kg/120Kg
Execution standard	GB/T230.2, JJS Z2245, EN-ISO6508, ASTME-18

**Standard Delivery:**

Instrument Main Body	Ø1.588mm Ball Indenter	Ø150mm Flat Anvil
Hardness Block	Ø1.588mm Steel Ball	Ø60mm Flat Anvil
Hardness Block HRC	Diamond Indenter	Ø40mm V-shape Anvil
Hardness Block HRB	Weight A	Accessories Box
Hardness Block HR30N	Weight B	Anti-dust Cover
Hardness Block HR30T	Weight C	Operation Manual