



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

ADVANCED TOUCH SCREEN DIGITAL ROCKWELL HARDNESS TESTER

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BRH-150DT



APPLICATION: -

- Quality control of Industrial production (machinery manufacturing, metallurgy plants, etc.)
- Research & Inspection of Inspection Institution 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 more easy.
- Automatic loading - dwell - unloading
- 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 SPECIFICATION: -**

Model	BRH-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 range	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 (H*D)
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 the 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



OPERATION INTERFACE:

Main interface:

Tester

Product Name

Radio of Curvature

Range To

Hardness type

Conversion type Conversion Value

Dwell Time(S)

Hardness value **Calibration**

Start **Return**

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
HRL/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

Save **Calibration**

Return

Test Force Calibration

Standard kg

Mmeasured kg

Confirm **Return**