



DIGITAL SUPERFICIAL ROCKWELL HARDNESS TESTER RoboSuper – 45D

STANDARD

GB/T230.2, JIS Z 2245, EN-ISO 6508, ASTM E-18

RoboSuper-45D is an effective manual superficial Rockwell Hardness Tester machine with high accuracy, reliability and durability, it is applied at the workshops and measurement departments for determining the superficial Rockwell hardness of the material of ferrous and non-ferrous metals.





FEATURES

- Half automatic hardness tester except loading initial force and change force knob. Operation is very convenient and fast.
- Color touch screen, displays loading force, indenter type, dwell time, and conversion scale.
- Motorized control loading, dwell and unloading, eliminates error by manual operation
- Built-in microprocessor auto compute max, min, mean and deviation value, resolution is 0.1HR, largely improve accuracy
- Auto hardness conversion to others scales, no need to check table and improve working efficiency
- Support multiple languages, English, Turkish, German, etc. Convenient for local customers operation
- With 2000 single testing results and 1000 group results. Reviewing results and analysis
- Optional blue tooth mini printer is available.

APPLICATION

- Cemented carbides, thin steel, and shallow case-hardened steel
- Thin steel and medium case hardened steel, and pearlitic malleable iron
- Steel, hard cast irons, pearlitic malleable iron, titanium, deep case hardened steel, and other materials harder than B100
- Annealed copper alloys, thin soft sheet metals
- Copper alloys, soft steels, aluminum alloys, malleable iron etc.
- Malleable irons, copper-nickel-zinc and cupro-nickel alloys. Upper limit G92 to avoid possible flattening of ball.



TECHNICAL SPECIFICATION

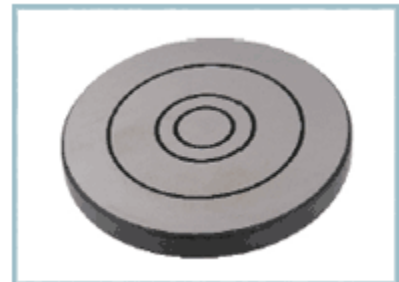
Product Name	Digital Superficial Rockwell Hardness Tester
Model	RoboSuper-45D
Rockwell Scales	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Preliminary Test Force	3kgf(29.42N) Permitted Error : $\pm 2.0\%$
Test Force	147.1N(15kg)、294.2N(30kg)、441.3N(45kg) Permitted Error: $\pm 1.0\%$
Dwell Time	Adjustable 1-60s
Hardness Indication	5.2" Touch Screen, Resolution:640x480
Resolution	0.1HR
Loading Control	Auto Loading/Dwell/Unloading
Hardness Conversion	HRC, HV, HBS, HBW, HK, HRA, HRD, HR15N, HR30N
Conversion Standards	ASTM, DIN
Language Option	English, German, Portuguese, Turkish, Czech
Correction Range	-3.0HR to +3.0HR, Step 0.1HR
Data Memory	2000 Single Measuring Result, Curve Analysis, Results
Data Output	Optional Blue Tooth Mini Printer
Max. Height Of Specimen	175mm
Instrument Throat	165mm
Power supply	AC220V/50Hz; AC110V/60Hz
Dimension(LxWxH)	520 x 215 x 700mm
Packing Dimension	630 x 440 x 960mm
Gross/Net Weight	120Kg/90Kg

SCOPE OF SUPPLY

RoboSuper-45D unit	Hardness Test Block HR30T
Hardness Test Block H15N	Hardness Test Block HR30N
Ø 1.588mm Ball indenter	Ø 1.588mm Steel Ball
Cone Diamond indenter	Ø 150mm and Ø 60mm Flat Anvil
Ø 40mm V-shape Anvil	Weight 1, weight 2, weight 3
Instrument Manual	Accessory box
Anti Dust Cover	Test Certificate



Hardness Block



Ø 150mm Flat Anvil



Ø 55mm Flat Anvil
& V-shape Anvil



Test Interface



System Setup



Scale Conversion Interface