

# Digital Superficial Rockwell Hardness Tester HRS-45D



## Description:

- HRS-45D is a semi-automatic Rockwell Hardness Testing machine. The operator only needs to select the required weight and elevate the work piece to a start position
- HRS-45D test force, loading, dwell, unloading, hardness result and conversion scales are displayed on the LCD screen automatically. The system will tell the operator to select the correct test force and indenter after choosing the hardness scale
- HRS-45D digital display resolves to 0.1HR
- HRS-45D weight selection knob is now steel not plastic
- HRS-45D offers 14 hardness scales (see below) Results are displayed on the front panel eliminating the need to view charts
- HRS-45D also displays maximum, minimum, average and tolerance values
- HRS-45D mini-printer prints the main measuring values

## Specifications:

Product Name	Digital Superficial Rockwell Hardness Tester
Model	HRS-45D
Rockwell Scales	HR15N HR30N HR45N HR15T HR30T HR45T
Preliminary Test Force	3Kgf (29.42N)
Test Force	15Kgf (147.1N) 30Kgf (294.2N) 45Kgf (441.3N)
Dwell Time	Adjustable 1-60s
Hardness Indication	Digital LCD display
Resolution	0.1HR
Loading Control	Automatic
Data Output	RS-232 Printer
Max. Height of Specimen	175 mm
Auto Hardness Conversion	HRC HRB HRA HK HV HBV
Instrument Throat	165 mm
Dimension (LxWxH)	520 x 215 x 700 mm
Packing Dimension	630 x 440 x 960 mm
Gross / Net Weight	120Kg / 90Kg

## Standard Packing List:

- Instrument Main Body
- Hardness Block HR30T
- Hardness Block HR15N
- Hardness Block HR30N
- Ø 1.588 mm Ball Indenter
- Anti-dust cover
- Cone Diamond indenter
- Ø 150 mm Flat Anvil
- Ø 40 mm V-shape anvil
- Ø 60 mm Flat Anvil
- Weight 1/2/3
- Power cable
- Accessories box
- Instrument Manual

## Optional Accessories:

- 1/8" Steel Ball Indenter
- 1/4" Steel Ball Indenter
- 1/2" Steel Ball Indenter
- Ø 1/4" Steel Ball
- Ø 1/8" Steel Ball
- Ø 1/2" Steel Ball
- Ø 100 mm Flat Anvil
- Small Flat Anvil
- Ø 1/16" Steel Ball